

Canon

EOS-1 D

Mark II DIGITAL

Windows

Macintosh

**EOS DIGITAL Solution Disk
Software Instruction Manual**

E

**INSTRUCTION
MANUAL**

READ CAREFULLY BEFORE USING!

CANON SOFTWARE LICENSE AGREEMENT

IMPORTANT - READ THIS AGREEMENT BEFORE USING THE SOFTWARE ON THE CD-ROM IN THIS BOX. BY USING THE SOFTWARE, YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT.

This is a license agreement (the [Agreement]) between you and Canon Inc. ([Canon]).

IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT USE THE SOFTWARE PROGRAM ON THE CD-ROM AND THE USER MANUAL IN THIS BOX (COLLECTIVELY, THE [SOFTWARE]) AND RETURN THE SOFTWARE WITHIN 30 DAYS FROM THE DATE OF PURCHASE TO YOUR POINT OF PURCHASE FOR A REFUND.

In consideration of the right to use the SOFTWARE, you agree to abide by the terms and conditions of this Agreement.

1. LICENSE: Canon grants you the non-exclusive right to use the SOFTWARE only on a single computer. You may physically transfer the SOFTWARE from one computer to another provided that the SOFTWARE is used on only one computer at a time. You shall not install or use the SOFTWARE on a network, multiple CPU, multiple site arrangement, or any other hardware configuration where the SOFTWARE is accessible to more than one CPU or to more than one user.

YOU SHALL NOT ASSIGN, SUBLICENSE, RENT, LEASE, LOAN, CONVEY OR OTHERWISE USE, TRANSFER, COPY, TRANSLATE, CONVERT TO ANOTHER PROGRAMMING LANGUAGE, ALTER, MODIFY, DECOMPILE OR DISASSEMBLE THE SOFTWARE, IN WHOLE OR IN PART, EXCEPT AS EXPRESSLY PROVIDED IN THIS AGREEMENT.

2. BACK-UP COPY: You may make one copy of the SOFTWARE solely for back-up purposes, or copy the SOFTWARE onto the permanent storage device (e.g. a hard disk) of your computer and retain the original for back-up purposes. Any other copying of the SOFTWARE is a violation of this Agreement. You must reproduce and include the copyright notice on the back-up copy.
3. SUPPORT AND UPDATES: Canon is not responsible for providing maintenance or support for use of the SOFTWARE. No updates, fixes or support will be made available for the SOFTWARE.
4. LIMITED WARRANTY AND LIMITATION OF LIABILITY: It is your responsibility to choose, maintain and match the hardware and software components of your computer system. Thus Canon does not guarantee uninterrupted service or correction of errors or that the functions or performance of the SOFTWARE will meet your requirements. THE SOFTWARE IS LICENSED ON AN [AS IS] BASIS AND WITHOUT WARRANTY OF ANY KIND. The CD-ROM storing the SOFTWARE is warranted only against defective material under normal use for a period of ninety (90) days after purchase from an authorized Canon dealer as evidenced by your sales receipt. Your sole remedy for a defective CD-ROM shall be replacement of the same without charge when returned by you at your expense to your point of purchase and proven to be defective upon inspection. The replacement CD-ROM will be warranted for the remainder of the original ninety (90) day warranty period of the defective CD-ROM. The limited warranty does not apply if the failure of the CD-ROM resulted from accident, abuse or misapplication of the SOFTWARE and shall not extend to anyone other than the original user of the SOFTWARE.

EXCEPT AS SPECIFICALLY SET FORTH IN THIS PARAGRAPH 4, CANON, CANON'S SUBSIDIARIES, DISTRIBUTORS AND DEALERS DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SOFTWARE.

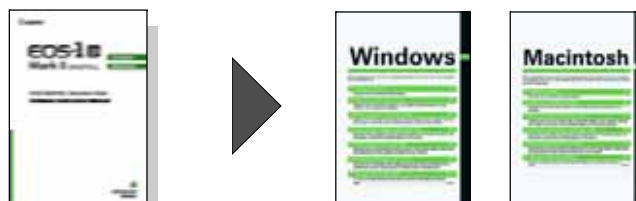
NEITHER CANON NOR ANY OF CANON'S SUBSIDIARIES, DISTRIBUTORS OR DEALERS IS LIABLE FOR ANY DAMAGES HOWSOEVER CAUSED, INCLUDING WITHOUT LIMITATION, DIRECT, CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE INCLUDING LOSS OF PROFITS, EXPENSE OR INCONVENIENCE HOWSOEVER CAUSED OR ARISING OUT OF THE SOFTWARE OR THE USE THEREOF.

NEITHER CANON, NOR ANY OF CANON'S SUBSIDIARIES, DISTRIBUTORS OR DEALERS SHALL HAVE ANY OBLIGATION TO INDEMNIFY YOU AGAINST ANY CLAIM OR SUIT BROUGHT BY A THIRD PARTY ALLEGING THAT THE SOFTWARE OR THE USE THEREOF INFRINGES ANY INTELLECTUAL PROPERTY OF SUCH THIRD PARTY.

5. **TERM:** This Agreement is effective upon your using the SOFTWARE and remains in effect until expiration of all copyright interests in the SOFTWARE unless earlier terminated. You may terminate this Agreement by destroying the SOFTWARE. This Agreement will also terminate without notice to you if you fail to comply with any of the terms of this Agreement and you must then promptly return the SOFTWARE. In addition, Canon may enforce its other legal rights.
6. **U.S. GOVERNMENT RESTRICTED RIGHTS NOTICE:** The SOFTWARE is provided with restricted rights. Use, duplication or disclosure is subject to restrictions as set forth in either subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer software clause at DFARs 252.227-7013 or subparagraph (c) (1) and (2) of the Commercial Computer Software Restricted Rights Clause at FAR 52.227-19, as applicable.
7. **SEVERABILITY:** In the event that any provision of this Agreement is declared or found to be illegal by any court or tribunal of competent jurisdiction, such provision shall be null and void with respect to the jurisdiction of that court or tribunal and all the remaining provisions of this Agreement shall remain in full force and effect.
8. **CONTROLLING LAW:** The terms of this Agreement as it relates to purchases of the Software in the United States of America shall be governed and construed in all respects in accordance with the laws and regulations of the State of New York, without reference to choice of law principles. The terms of this Agreement as it relates to purchases of the Software in Canada shall be governed by the laws of the province of Ontario.
9. **OWNERSHIP:** All rights, including but not limited to copyrights and trade secret rights, to the SOFTWARE belong to Canon, its affiliated corporations and third party licensors. Your use of the SOFTWARE is subject to the United States, Canada and other applicable copyright and trademark laws and nothing in this Agreement constitutes a waiver of the rights of Canon, its affiliated corporations and third party licensors under such laws. Nothing contained in Paragraph 1 shall be construed to give Canon any ownership rights in any images, graphics or textual material that you save in connection with the Software.
10. **ACKNOWLEDGEMENT:** BY USING THE SOFTWARE, YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT, UNDERSTOOD IT, AND AGREE TO BE BOUND BY ITS TERMS AND CONDITIONS. YOU ALSO AGREE THAT THIS AGREEMENT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF AGREEMENT BETWEEN YOU AND CANON CONCERNING THE SUBJECT MATTER HEREOF AND SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, VERBAL OR WRITTEN, AND ANY OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER HEREOF. NO AMENDMENT TO THIS AGREEMENT SHALL BE EFFECTIVE UNLESS SIGNED BY A DULY AUTHORIZED OFFICER OF CANON.

Manual Organization, How to Read the Manual and the Conventions Used ■

- This manual consists of a chapter for Windows followed by a chapter for Macintosh.



- In this manual, Windows XP Professional/Home Edition is referred to as Windows XP, Windows Millennium Edition is referred to as Windows Me, Windows 2000 Professional is referred to as Windows 2000, and Windows 98 Second Edition is referred to as Windows 98 SE.
 - Where explanations are common to all operating systems, the screens used in the examples are from Windows XP for Windows and from Mac OS X (10.2) for Macintosh.
 - In this document, square brackets [] are used to indicate items such as button names and icon names that appear on the computer screen.
 - Numbers in parentheses in this document indicate reference pages.
 - Descriptions of camera operations assume that the reader is familiar with the information in the camera's Instruction Manual.
 - For the restrictions that apply to the software products, refer also to the Readme files for the respective products.
 - In order to transfer images from EOS Viewer Utility, you will need retouching (image editing) software. In order to start the TWAIN Driver, you will need a TWAIN Driver-compatible application. Explanations for transferring images from EOS Viewer Utility described in these instructions and the explanations for TWAIN Driver-compatible applications all use examples from Adobe Photoshop 7.0.
 - The explanations given below describe the type of content indicated by the respective icons.
- ⚠ : Marks information that should be read before use to prevent problems that would interfere with the functioning of software and computer.
- 📖 : Marks additional information that you will find helpful.

Safety Precautions

Please read the safety precautions carefully before using this product. Ensure that you use the product correctly according to the procedures described in these instructions.

The following safety precautions are intended to instruct you in the safe and correct operation of the product and its accessories to prevent injuries or damage to yourself, other persons and property. Please read and ensure that you understand them before you proceed to the other sections of these instructions.

Warning

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

Software

This section briefly describes the main functions of the software provided on the bundled CD-ROM.

■ EOS DIGITAL Solution Disk

EOS Viewer Utility/EOS Capture

Windows

Macintosh

- Dedicated software for an EOS DIGITAL camera to be used for downloading and displaying images, processing RAW images, specifying the camera settings such as personal functions, and remote shooting.
- Can be used for downloading images saved on the memory card in the camera to your computer, displaying single-frame or thumbnail images, checking shooting information or histograms.
- Capable of rotating, protecting, and saving images, playing sound, printing image indexes, and transferring images to the retouching software.
- Can be used for displaying RAW images and specifying various processing parameters.
- Supports the color management system.
- Supports the color space of sRGB and Adobe RGB.
- Can be used for specifying the personal functions and processing parameters on the camera.
- Enables you to control the camera from your computer using the remote shooting function (EOS Capture) to shoot single-frame images or images using the timer or interval timer. Also, allows you to download images directly to your computer.



PhotoStitch

Windows

Macintosh

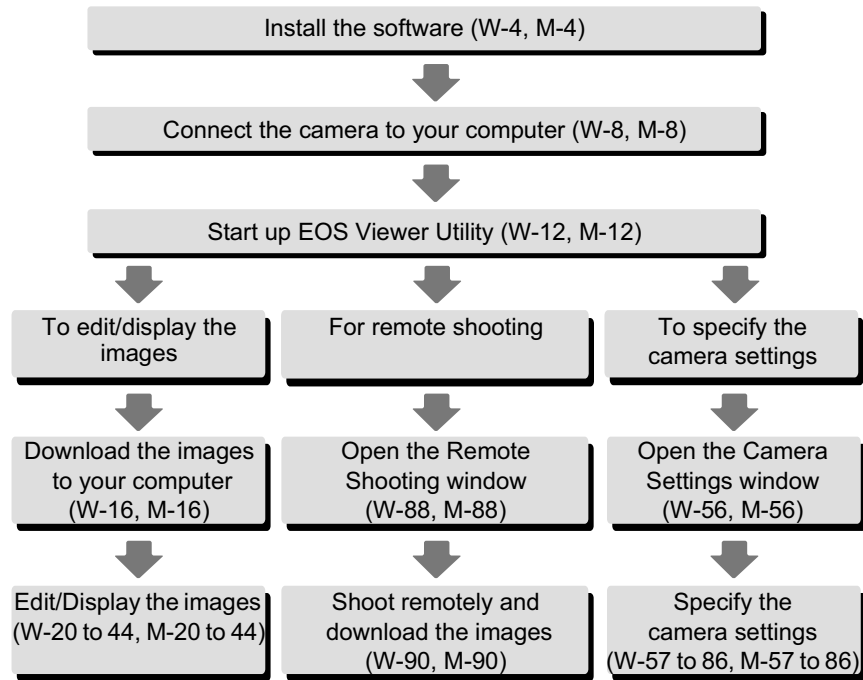
- PhotoStitch creates composite images such as panorama shots by merging multiple images.

WIA Driver/TWAIN Driver

Windows

- WIA Driver or TWAIN Driver controls the communication between the camera and EOS Viewer Utility. To use EOS Viewer Utility, you must install the WIA Driver for Windows XP or Me, and install the TWAIN Driver for Windows 2000, 98 SE.
- Also used for downloading JPEG images to your computer if you use the WIA Driver alone, or use the TWAIN Driver with a TWAIN Driver-compatible application, without using EOS Viewer Utility.

Operation Flow



- In addition, you can use the WIA Driver or TWAIN Driver (W-97) to quickly and easily download JPEG images from your camera. You can also use PhotoStitch to merge multiple images to create a panorama shot easily.

Trademark Acknowledgments

- Canon and EOS are trademarks of Canon Inc.
- Adobe and Photoshop are registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- iBook, iMac and QuickTime are trademarks of Apple Computer Inc.
- Macintosh, PowerBook, Power Macintosh and FireWire are trademarks of Apple Computer Inc., registered in the United States and other countries.
- Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies.

Windows

W

Where explanations are common to all operating systems, the screens used in the examples are from Windows XP.

1 Installing the Software W-3

Describes how to install the bundled software.

2 Preparation for Downloading Images W-7

Explains how to connect the camera or a card reader (third-party product) to your computer, and complete the installation.

3 Working with Images in EOS Viewer Utility W-11

Explains how to use EOS Viewer Utility to download images to your computer, edit and save images, and transfer the downloaded images to the retouching software.

4 Specifying Camera Settings in EOS Viewer Utility W-55

Describes how to specify the owner's name and date/time, the Personal Functions, the Parameters, and the Personal White Balance in the camera.

5 Remote Shooting in EOS Viewer Utility W-87

Describes how to use the Remote Shooting function in EOS Viewer Utility for taking shots and specifying the camera settings remotely from your computer.

6 Downloading JPEG Images with the Driver W-97

Describes how to download JPEG images using the WIA Drivers for Windows XP or Windows Me, and the TWAIN Drivers for Windows 2000 or Windows 98 SE.

7 Troubleshooting and Uninstallation W-103

Provides a troubleshooting and describes the software uninstallation procedures.

Index W-117

System Requirements

The software bundled with this product runs on the systems described below.

OS	Windows XP (Home Edition/Professional), Windows Me, Windows 2000, Windows 98 SE
Computer	PC with one of the above OS preinstalled and equipped with an IEEE1394 port * Upgraded machines not supported.
CPU	Windows XP: 300 MHz Pentium or better Windows Me, 2000, 98 SE: 150 MHz Pentium or better
RAM	Windows XP: Minimum 256 MB Windows Me, 2000, 98 SE: Minimum 128 MB
Interface	IEEE1394
Hard disk space	EOS Viewer Utility/EOS Capture: 300 MB or more WIA Driver: 25 MB or more TWAIN Driver: 25 MB or more PhotoStitch: 40 MB or more
Display	Screen resolution: 1024 by 768 pixels or more Color quality: Medium (16 bit) or more

- Depending on your computer system, this software may not run correctly on Windows 98. Use the Windows 98 SE operating system or later.
- A CD-ROM drive is required for installation.



Installing the Software

This chapter describes how to install the bundled software.

If you were unable to successfully install the software using the procedure given in this manual, see “Troubleshooting” (W-104).

W


1

Installing the Software	W-4
Correct Installation Procedure	W-4

Installing the Software

- Check that your computer complies with the system requirements for the software (W-2) as you follow the installation procedure.

Correct Installation Procedure

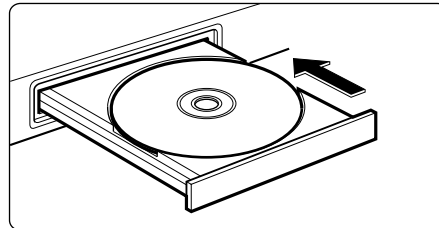
- Always install the software as described in the procedures below.
 - 1 Start up your computer (step 1).
 - 2 Install the software (steps 2 through 9).
 - 3 Remove the CD (step 10).
 - 4 Connect the camera to your computer and complete the installation (W-8).
-  Never connect the camera to your computer before you install the software. The software will not be installed correctly. You must connect the camera to your computer after removing the CD.
- If you connected the camera to your computer before installing the software, see "Troubleshooting" (W-107).

1 Start up your computer.

- Exit any programs that are running.

2 Insert the CD (EOS DIGITAL Solution Disk).


- The Installer panel appears.



3 Click the [Install] button.

- The [Preparing to Install] window appears and after a brief wait, the [Welcome to the InstallShield Wizard for Solution Disk] window appears.

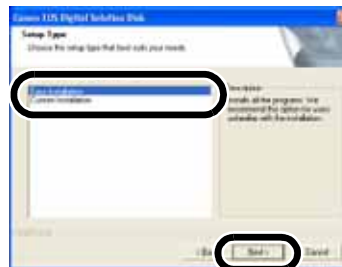


-  If the dialog box that prompts you to restart your computer appears, restart your computer. After the computer restarts, the software installation process continues automatically.

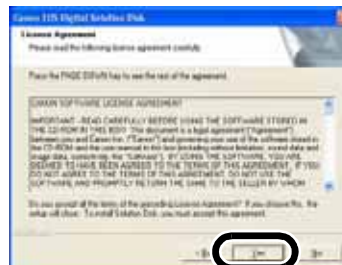
4 Click the [Next] button.



5 Select [Easy Installation] and click the [Next] button.



6 Check the details of the License Agreement and then click the [Yes] button.



7 Check the software and the folder in which the software will be installed, and then click the [Next] button.

→ Installation begins. It will be complete in approx. 2 to 3 minutes.



W

1

Installing the Software

8 Click the [Finish] button.

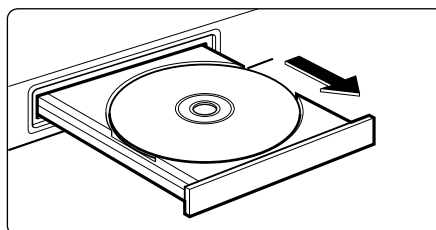



9 Click the [Exit] button.



10 Remove the CD.

→ Connect the camera to your computer and complete the installation referring to the procedures in Chapter 2.



 If you were unable to successfully install the software using the procedure given in this manual, see "Troubleshooting" (W-104).

Preparation for Downloading Images



This chapter explains how to connect the camera or a card reader (third-party product) to your computer, and complete the installation.

If you were unable to successfully install the software using the procedure given in this manual, see "Troubleshooting" (W-105).

Connecting the Camera to Your Computer.....	W-8
Connecting the Camera to Your Computer for the First Time	W-8
Connecting the Camera to Your Computer the Second Time or Later	W-9
Using Your Card Reader	W-10

Connecting the Camera to Your Computer

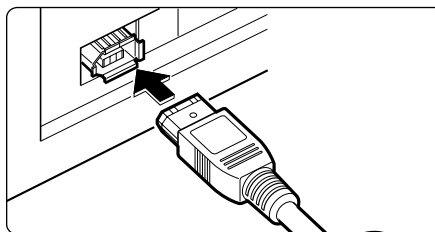
Before downloading images to your computer or specifying the camera settings, you must connect the camera to your computer with the dedicated IEEE1394 cable. You can connect the camera while your computer is running.

Connecting the Camera to Your Computer for the First Time

When you connect the camera to your computer for the first time to complete the installation, follow the procedure below right after performing "Installing the Software" (W-4).

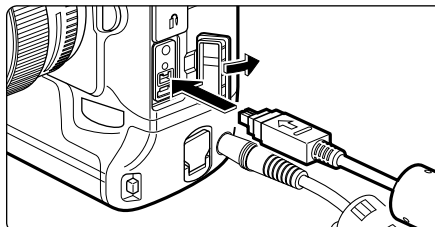
1 Plug the dedicated cable into the computer.

- Plug the cable into the IEEE1394 port.
- Refer to the computer User's Manual for information on the terminal areas.

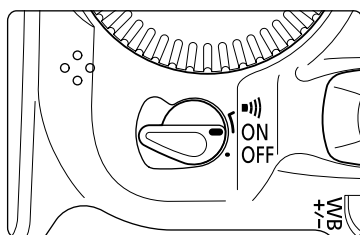


2 Plug the dedicated cable into your camera.

- Open the cover and plug the cable into the < DIGITAL > terminal.



3 Set the camera's power switch to <ON>.



- When the pop-up menu appears and then disappears automatically, the installation is complete.

- For Windows 2000, Me, 98 SE, nothing appears when the installation is complete. However, if the [Found New Hardware] or [Building driver information database] dialog box appears, when the dialog box disappears automatically, the installation is complete.
- When the installation is complete, the camera is ready to communicate with your computer. Proceed to Chapter 3 continuously.



- Do not set the camera's power switch to <OFF> until the pop-up menu and dialog boxes automatically disappear.
- If the dialog box that prompts you to restart your computer, restart your computer without fail.
- If you were unable to successfully install the software using the procedure given in this manual, see "Troubleshooting" (W-105).

W



The pop-up menu and dialog boxes shown in step 3 do not appear when you connect the camera to your computer the second time or later.

2

Preparation for Downloading Images

Connecting the Camera to Your Computer the Second Time or Later

When you connect the camera to your computer the second time or later, follow the same procedure, set the camera's power switch to <ON>, and then proceed to Chapter 3.



- Never perform the following operations while the software installed from the Solution Disk is running after connecting the camera to the computer as a communications error may occur.
 - Set the camera's power switch to <OFF>.
 - Open the memory card slot cover.
 - Disconnect the dedicated cable, remove the battery, and then remove the DC coupler.
 - Disconnect the AC adapter's plug or power cord.
 Before you perform the operations above, be sure to exit all the software.
- Use only the dedicated IEEE1394 cable.
- Push the plug firmly all the way into the socket. Loose connections can cause faults or malfunctions.
- Do not connect the camera to your computer via a hub. Or do not connect multiple IEEE1394 devices to your computer. If you do so, the camera may not operate correctly.
- Operation of the Auto power off function will automatically switch the camera off, disabling to communicate with your computer. Set the Auto power off function to [OFF] in advance. (Refer to "Menu Operations" in the camera's Instruction Manual.)
- Do not connect more than one camera to the same computer. The connections may not operate correctly.



- While the camera and your computer are communicating, the camera's LCD panel may blink or the image on the monitor may flicker. However, this is not a malfunction.
- When unplugging the dedicated cable, be sure to grip the sides of the plug as you pull it out.
- If you do not perform any operation while the camera and computer are connected, a confirmation message appears on the computer screen asking whether you wish to continue communicating with the camera for some computer systems. If you do not perform any operation even after this message appears, the communication with the camera is terminated. To re-establish the communication, press the shutter button down halfway or set the camera's power switch to <OFF> and then back to <ON>.
- Do not put your computer to sleep while it is connected to the camera.
If your computer goes into the sleep mode, never disconnect the dedicated cable while your computer is still in the sleep mode. Always wake your computer up while it is connected to the camera. On some types of computer, disconnecting the dedicated IEEE1394 cable while your computer is in sleep mode could prevent the computer from waking up correctly. Refer to the computer User's Manual for more information on sleep mode.



- When the camera is connected to a computer, you should use the DC Coupler Kit.
- If your computer has a 4-pin IEEE1394 port, use a Canon 4-pin to 4-pin IEEE1394 cable (optional).

Using Your Card Reader

Users with a third-party card reader can download images directly from a memory card to the computer.

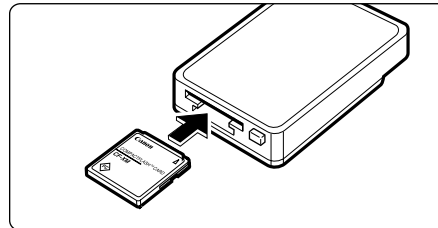
1

Remove the memory card from the camera.

2

Load the card into the card reader.

- Proceed to Chapter 3.



For information on connecting the card reader to your computer, refer to the card reader User's Manual.

Working with Images in EOS Viewer Utility



W

This chapter explains how to use EOS Viewer Utility to download images to your computer, edit and save images, and transfer the downloaded images to the retouching software.

For more information on the restrictions of EOS Viewer Utility, refer also to the source listed below.

Readme: Click the [Start] button ► select [All Programs] ([Programs] in other versions of Windows) ► [Canon Utilities] ► [EOSViewerUtility xx] ("xx" is the version) ► [EOSViewerUtility Readme].

3

Starting EOS Viewer Utility.....	W-12	Checking the Image Information and Entering Comments.....	W-27
Downloading Images	W-16	Playing Back Sound.....	W-28
Handling the Folders.....	W-18	Printing Images	W-28
Memory Card Folder Structure and File Names	W-18	Editing RAW Images	W-29
Registering Frequent Use Folder ...	W-19	Processing RAW Images	W-29
Selecting the Image Display Mode ..	W-20	Specifying the Processing Parameters ..	W-30
Main Window (Thumbnail Display)	W-20	Adjusting the Brightness (Digital Exposure Compensation)	W-31
Preview Window Display	W-20	Adjusting the White Balance	W-32
Selecting the Display Size	W-22	Saving the White Balance	W-36
Checking the AF Point.....	W-22	Adjusting the Color and Brightness (Adjust Tone Curve)	W-37
Selecting Images	W-23	Selecting the Contrast	W-40
Selecting Images in the Main Window ..	W-23	Selecting the Color Matrix	W-41
Selecting Images in the Preview Window.....	W-23	Adjusting the Color	W-43
Attaching Check Marks to Images	W-24	Selecting the Sharpness	W-44
Selecting Images by Condition ...	W-24	Saving Images	W-45
Bringing/Sending the Main Window to the Front/Back of Window Stack ..	W-25	Transferring Images to Retouching Software	W-48
Equalizing the Display Sizes in the Preview Window	W-25	Specifying the Preferences	W-50
Editing Images	W-26	Setting the IPTC Information.....	W-51
Protecting Images.....	W-26	Merging Images with PhotoStitch...	W-54
Rotating Images	W-26		
Deleting Images.....	W-27		

Starting EOS Viewer Utility

1 Connect the camera to your computer (W-8).

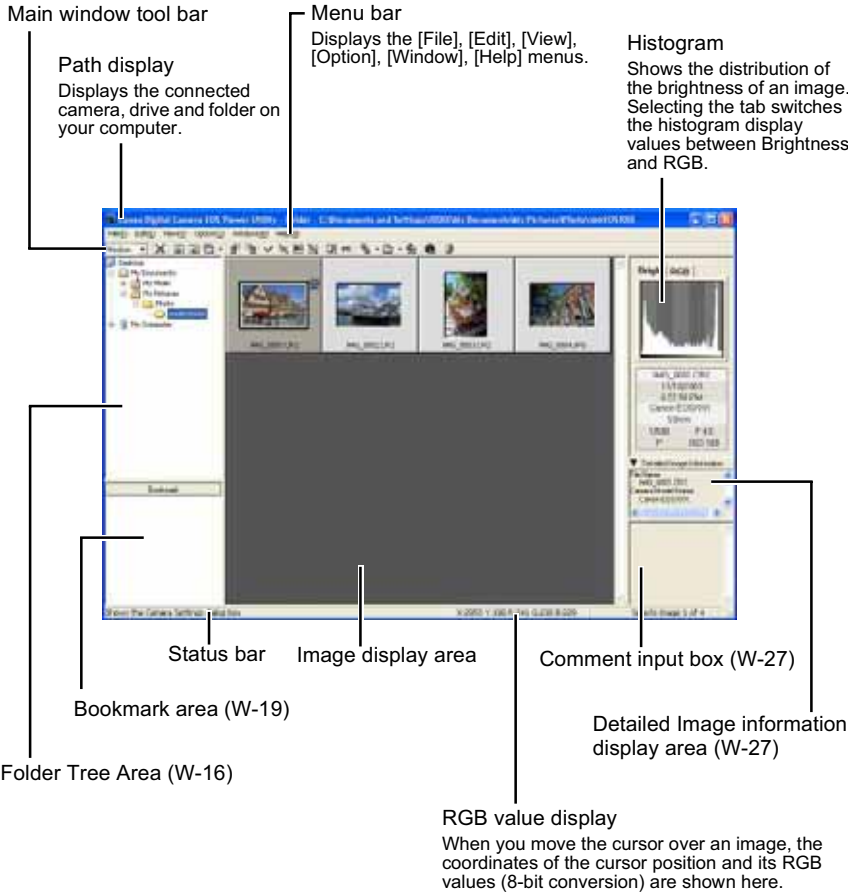
- The dialog box on which the camera model is displayed appears.
- Your camera model is displayed in EOS XXX.
- For Windows Me, the [Scanner and Camera Wizard] dialog box appears.
- Click the [Cancel] button to close the open window.



2 Click the [Start] button ► select [All Programs] ([Programs] in other versions of Windows) ► [Canon Utilities] ► [EOSViewerUtility xx] ► [EOSViewerUtility].

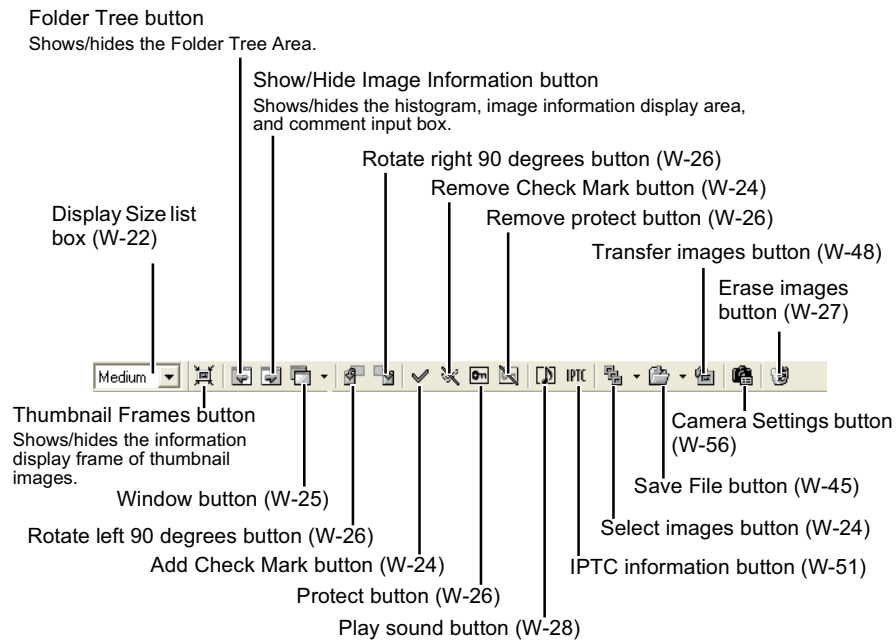
- The main window appears.
- You can also start EOS Viewer Utility by double-clicking the [EOSViewerUtility] icon on the desktop.
- EOS Viewer Utility version information is displayed in xx.

Main window



- * The above window shows all the information at once. In actual use, only the information needed is displayed.
- To exit EOS Viewer Utility, select the [File] menu ► [Exit].

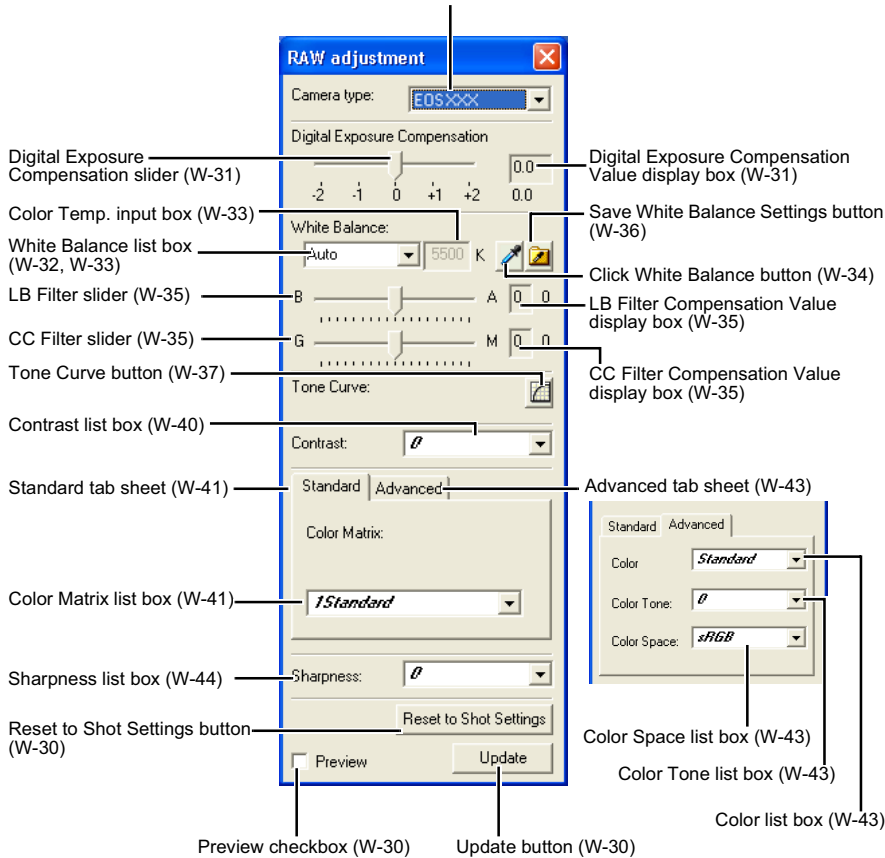
Main window tool bar



* The above window shows all the information at once. In actual use, only the information needed is displayed.

RAW adjustment tool palette

Camera type (W-30)
Displays the name of the camera on which the selected RAW images were taken.



- When you select a RAW image, the name of the camera on which the selected RAW image was taken and its settable processing parameters are displayed.
- If you select the [Advanced] tab, the [Advanced] tab sheet appears.
- * The above tool palette shows all the information at once. In actual use, only the information needed is displayed.

🔒 In the RAW adjustment tool palette you cannot edit JPEG images, or TIFF and JPEG images that were converted from RAW images with EOS Viewer Utility.

- 📄 ● The settings used when shots were taken are listed in italic type in the list box.
- If the RAW adjustment tool palette is hidden, select the [View] menu ► [Tool palette] to show it.

W

3

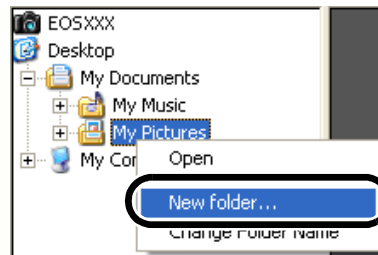
Working with Images in EOS Viewer Utility

Downloading Images

The procedure below describes how to download (copy) the images saved on a memory card in the camera to your computer, and display them on the main window. You can download images in the Folder Tree Area.

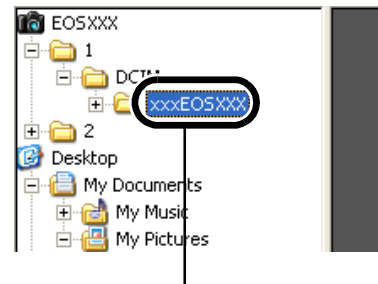
1 Create a folder to which images will be downloaded.

- From the menu that is displayed by right-clicking on the destination folder, select [New folder] to create a folder and enter a name for the folder. (The [Photo] folder is created in the [My Pictures] folder here as an example.)



2 Display a folder to be copied.

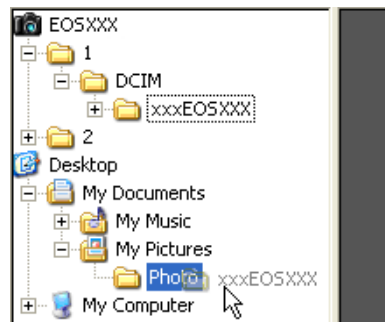
- Double-click the camera icon ► the [1] folder (CF card) or the [2] folder (SD card) ► the [DCIM] folder.
- The [xxxEOSXXX] folder is displayed.



xxx: A number between 100 and 999 is displayed.
XXX: The camera model connected to your computer is displayed.

3 Copy the folder to the hard disk.

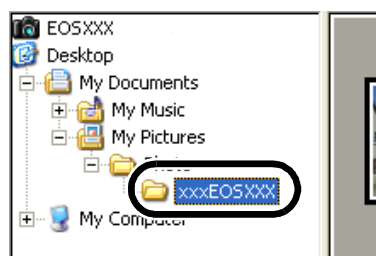
- Drag and drop the [xxxEOSXXX] folder to the destination folder.
- The [xxxEOSXXX] folder is saved on your computer.



4 Click the copied folder.

→ The images in the folder are displayed.

- Before disconnecting the camera from your computer, exit EOS Viewer Utility, set the camera's power switch to <OFF>, and then disconnect the dedicated cable.



W



- You cannot display images in the preview window (W-20) or edit RAW images (W-29) saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.
- For displaying images saved in a third-party card reader, follow the same procedure to download the target folder to your computer.

3

Supported Image Formats

The following images can be displayed in EOS Viewer Utility.

- RAW and JPEG images shot on an EOS DIGITAL series (1D Mark II, 1Ds, 1D, 10D, D60, D30, DIGITAL REBEL/300D DIGITAL) camera
- TIFF and JPEG images saved in EOS Viewer Utility (W-45)
- DCF-compliant JPEG images

* Images that cannot be displayed appear as a question mark [?].



- The images that are processed on your computer after being shot or the images whose file name is changed may not be displayed properly.
- You cannot use the camera while displaying images on the camera.

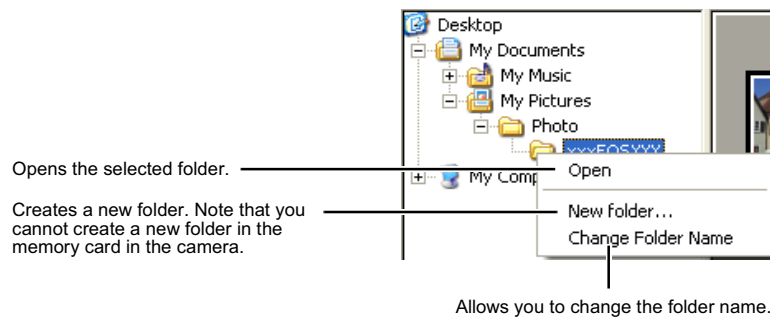


- Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
- If the selected folder contains a large number of images, there may be a short delay before the images appear.

Handling the Folders

You can handle the folder on the menu that appears by right-clicking the folder.

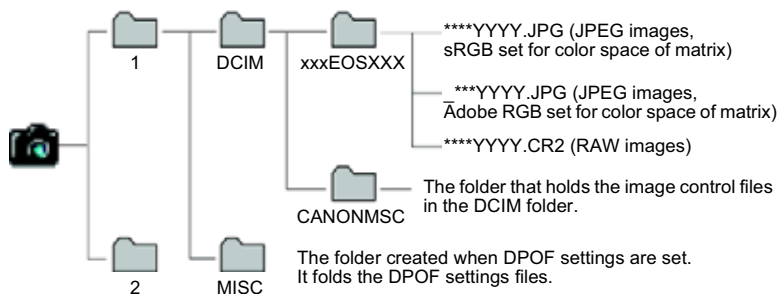
Right-click on the folder and select an option from the menu that appears.



You can drag and drop folders from the Folder Tree Area to the other folders.

Memory Card Folder Structure and File Names

The images are placed in the camera icon ► the [1] folder (CF card) or the [2] folder (SD card) ► the [DCIM] folder ► the [xxxEOSXXX] folder. ("xxx" represents a number between 100 and 999, and "EOSXXX" represents the camera model on which shots were taken.)



- The "****" in the file names represent the factory-set characters that are unique to each camera.
- The "YYYY" in file names represents four-digit numbers.



For JPEG images that were shot with Adobe RGB setting, the first character shows " _ " (under bar) according to Exif 2.21 regulations.

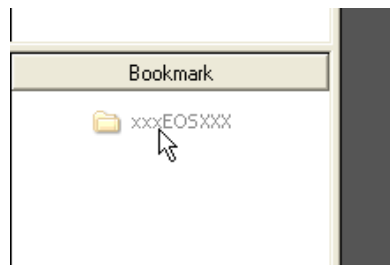
Registering Frequent Use Folder

You can register frequent use folders as bookmark folders.

1 Display a folder to be registered (W-16).

2 Register a folder as a bookmark folder.

- Drag and drop the folder to be registered as shown on the right.
- The folder icon appears in the Bookmark area when it is registered.
- To delete the registered folder, right-click the folder and select [Delete] from the menu that appears.



- You can also reorder the folders in the Bookmark area by dragging and dropping them.
- When you delete the registered folder, it just disappears from the Bookmark area. The actual data of the folder and the images in that folder will not be deleted.

W

3

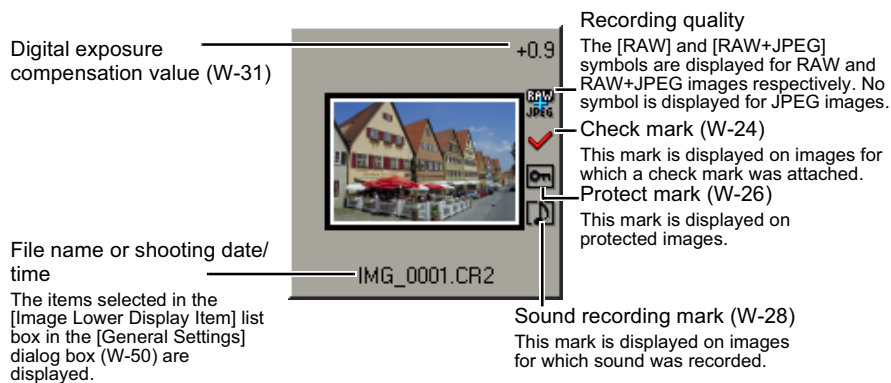
Working with Images in EOS Viewer Utility

Selecting the Image Display Mode

You can select the display size and method of images.

Main Window (Thumbnail Display)

Various information can be displayed with images.



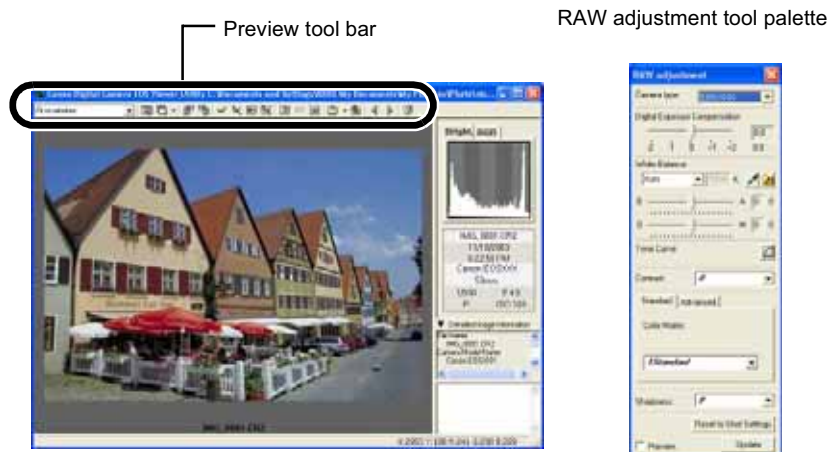
Preview Window Display

Double-clicking an image displayed on the main window can enlarge the image.

When you change the processing parameters of RAW images, use this window.

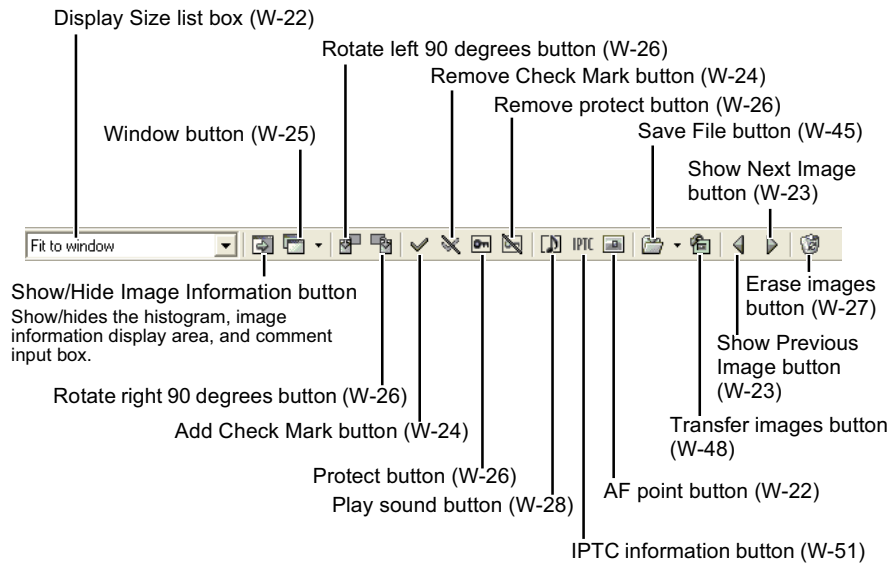
- Up to six images can be displayed in the preview window at a time.
- A low resolution image is displayed first in the preview window, and then it changes to a high resolution image.

Preview window





W-20

Preview tool bar



* The above window shows all the information at once. In actual use, only the information needed is displayed.

 You cannot display images in the preview window or edit RAW images (W-29) saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.

 For some images, it may take some time to change to the high resolution image.

W

3

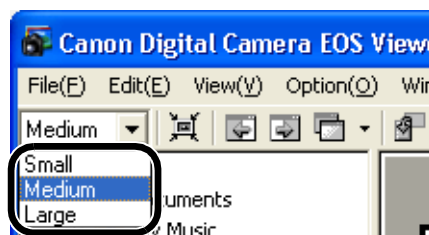
Working with Images in EOS Viewer Utility

Selecting the Display Size

Select a display size from the list box.

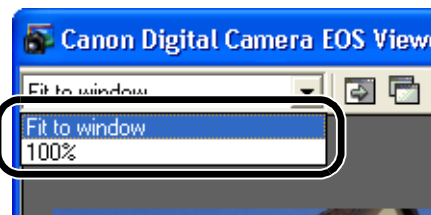
- In the main window, the available image sizes are [Small] (64 × 64 pixels), [Medium] (100 × 100 pixels), and [Large] (160 × 160 pixels).

Main window



- In the preview window, the available image sizes are [Fit to window] and [100%].
- When you select [100%], you can change the display position by dragging the image.

Preview window



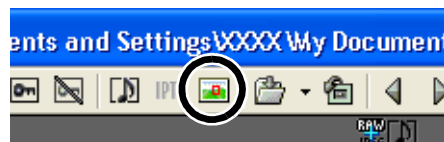
Checking the AF Point


The AF point used when the shot was taken can be displayed.

1 Display the image in the preview window (W-20).

2 Click the [AF point] button.

- The AF point is displayed.
- Clicking the button again hides the AF point.



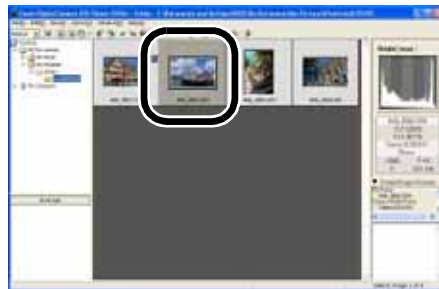
 When the shot was taken with automatic AF point selection, multiple active AF points might be displayed.

Selecting Images

Selecting Images in the Main Window

Click the target image.

- The frame around the selected image is colored.
- To select multiple images, hold down the <Ctrl> key and click the images.
- To select sequential images, click the first image and then hold down the <Shift> key and click the last image.



W



Alternatively, you can use the arrow keys (↑←→↓) on the keyboard to select images.

3

Selecting Images in the Preview Window

Click the target image.

- The selected image is displayed on the top window.



- When only one preview window is displayed, you can click the [Show Previous Image] button or the [Show Next Image] button to select the image to be displayed.



Working with Images in EOS Viewer Utility

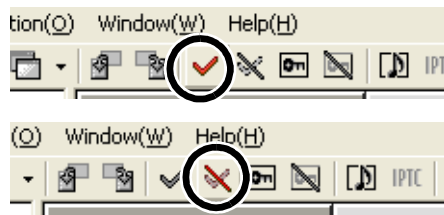
Attaching Check Marks to Images


You can attach a check mark to the RAW image, allowing you to select images more easily.


Click the [Add Check Mark] button.

→ When the check mark is placed, the [✓] icon appears in the frame of the image.

- Clicking the [Remove Check Mark] button removes the [✓] icon from the frame of the image, and erases the check mark.



 You cannot attach the check mark for any images other than RAW images.

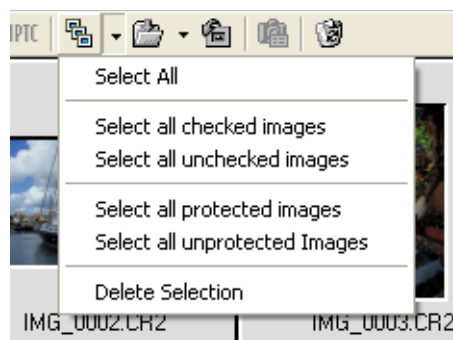
-  ● When multiple RAW images are selected, the check mark is attached to all the selected RAW images.
- Alternatively, you can perform the same operation using the menu that appears by right-clicking.

Selecting Images by Condition

This feature allows you to select multiple images in a single operation using conditions.

Click the [Select images] button and select the condition from the menu that appears.

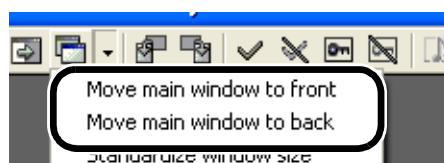
→ Only images that meet the condition are selected.



Bringing/Sending the Main Window to the Front/Back of Window Stack

Select **[Move main window to front]** or **[Move main window to back]** from the menu that appears by clicking the **[Window]** button.

→ The main window is brought/sent to the front/back of window stack.

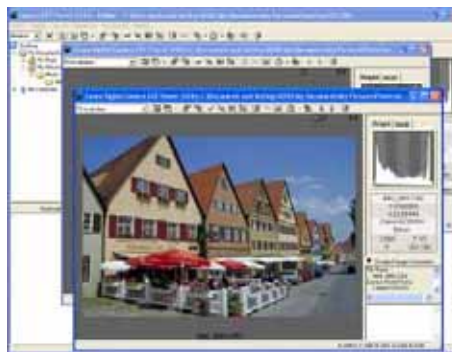


W

Equalizing the Display Sizes in the Preview Window

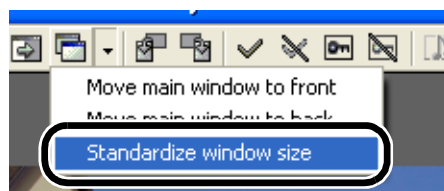
You can set all the preview windows to the same size.

1 Select the image whose size is the desired size (W-23).



2 Click **[Standardize window size]** from the menu that appears by clicking the **[Window]** button.

→ All the displayed preview windows are set to the same size as the selected image.




Working with Images in EOS Viewer Utility

3

Editing Images


You can edit all the images that can be displayed in EOS Viewer Utility.


 When multiple images are selected, the edits are applied to all the selected images.

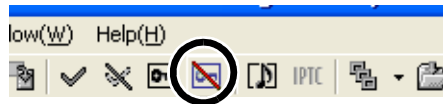
Protecting Images



You can protect important images to prevent them from being accidentally deleted.

Click the [Protect] button.

→ When the image is protected, the  icon appears in the frame of the image.

- Clicking the [Remove protect] button removes the  icon from the frame of the image, and clears the protection.



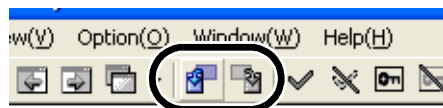
- 
- The  is automatically displayed for images that were protected on the camera.
 - Protection only prevents images from being deleted. Other types of image operations can still be performed for protected images.
 - Alternatively, you can perform the same operation using the menu that appears by right-clicking.


Rotating Images

You can rotate a selected image by 90-degree increments left or right.

Click the [Rotate right 90 degrees] or [Rotate left 90 degrees] button.

→ The image rotates 90 degrees in the selected direction.



- 
- Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
 - If a rotated image is displayed in another application, the image may not appear rotated.
 - Alternatively, you can perform the same operation using the menu that appears by right-clicking.

Deleting Images

You can move unnecessary images to the Recycle Bin on your computer and delete them.

1 Click the [Erase images] button.

→ The images are moved to the Recycle Bin.



2 Select [Empty Recycle Bin] from the menu that appears by right-clicking [Recycle Bin] on the desktop.

→ The images are deleted.

- Images that you deleted by selecting [Empty Recycle Bin] in step 2 cannot be restored. Check carefully before deleting images.
- Protect important images (W-26) to prevent them from being accidentally deleted.

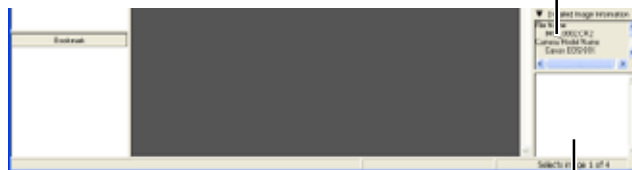
Alternatively, you can perform the same operation using the menu that appears by right-clicking.

Checking the Image Information and Entering Comments

You can check the information recorded with images and input comments.

Image information display area

- The shooting information is displayed.
The number of items displayed differs depending on the camera settings.
- You can copy the information as text data and paste it into another application.
- Clicking the [▼] button can hide the detailed image information display area.



Comment input box

You can use this box to type in a comment up to 120 characters long.
Type in your comment and press the <Enter> key.

You cannot insert a hard return in the comment input box.

When multiple images are selected, the information from the image selected last is displayed.

W

3

Working with Images in EOS Viewer Utility

Playing Back Sound

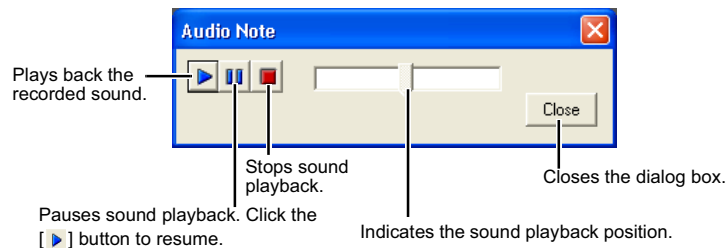
The sound recording mark is displayed for images for which sound was recorded.

1 Select an image with **[S]** displayed, and click the **[Play sound]** button.

→ The [Audio Note] dialog box appears.



2 Adjust the sound with the buttons and slider.



Printing Images

You can use EOS Viewer Utility to print images in index format.

1 Select images to be printed in index format (W-23).

2 Select the **[File]** menu ► **[Print Index]**.

→ Printing begins.

 If you wish to specify the printer settings, select the **[File]** menu ► **[Page Setup]**.

Editing RAW Images

You can specify the processing parameters for RAW images so that the RAW images are optimized for their intended purpose.


Processing RAW Images

RAW images are processed based on the settings specified on the camera (including the processing parameters and white balance) and then displayed on the computer.

- When the following operations are performed, RAW images are processed and displayed:
 - When the preview window is switched from the main window
 - When the processing parameters are specified on the preview or main window
 - When the image is converted to the TIFF or JPEG format and saved
 - When the image is transferred to the specified retouching softwareWhen the images are processed, it takes a while to display them.
- Approximate processing times

Operation Details	Processing Time
When the preview window is switched from the main window	Approx. 4 sec.
When the image is transferred to the specified retouching software	Approx. 40 sec.

- **The processing times given here are only approximations. Actual processing times vary widely depending on the images and the computer system.**
- Processing times are based on Canon testing standards.
(OS: Windows XP; CPU: 2.2 GHz Pentium 4; RAM: 256 MB)
- The processing time in the retouching software includes starting up time of the retouching software (when using Adobe Photoshop 7.0).

 You cannot display images in the preview window (W-20) or edit RAW images saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.

W

3

Working with Images in EOS Viewer Utility

Specifying the Processing Parameters

You can specify the processing parameters in the RAW adjustment tool palette.

- This processing applies the specified parameters virtually and does not affect the original RAW images in any way. Consequently, you can redo the processing as often as you like with different parameters and then reset the modified parameters to the settings used when the shot was taken.
- Linear processing can be specified when an image is saved or is transferred to retouching software (W-46, W-49).

1 Display the RAW images in the preview window (W-20).

- If the RAW adjustment tool palette is hidden, select the [View] menu ► [Tool palette] to show it.

2 Specify the processing parameters (W-31 to W-44).

- Clicking the [Reset to Shot Settings] button restores the settings to the values used when the shot was taken.
- If you click the [Preview] checkbox, the specified processing parameters are applied to the RAW images in real time.

3 Click the [Update] button.

- The RAW images are processed according to the specified processing parameters.
- The specified processing parameters are automatically saved in images.



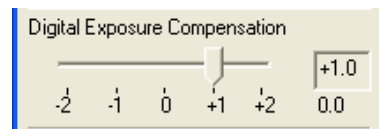
- When multiple images are selected, the specified processing parameters are applied to all the selected RAW images.
- If you have specified processing parameters in the main window, even though you do not select the [Preview] checkbox, the specified processing parameters are applied to the images in real time.

Adjusting the Brightness (Digital Exposure Compensation)

You can adjust the brightness of an image in the range of ± 2 stops in 0.1-stop increments.

Drag the slider left or right to adjust the brightness.

- The adjusted value is specified in the RAW adjustment tool palette.

**W****3**

Working with Images in EOS Viewer Utility

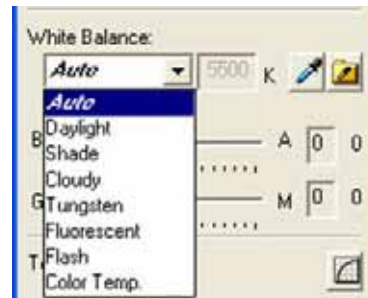
Adjusting the White Balance

You can adjust the white balance in the images. You can then save white balance data on your computer (W-36) and register them on the camera (W-82).

Selecting the White Balance

You can select the white balance that is the closest to the light source when shots were taken.

Select the white balance from the list box.



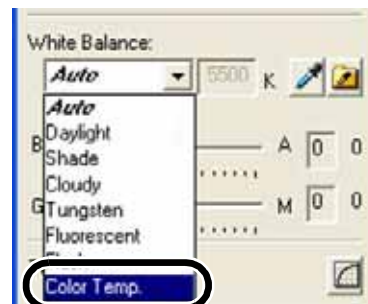
White Balance	Details	Color Temp. K (Kelvin)
Auto	Automatically adjusts the white balance.	Approx. 3000 to 7000
Daylight	For sunny daylight outdoors.	Approx. 5200
Shade	For shaded areas outdoors.	Approx. 7000
Cloudy	For cloudy or hazy days and during sunset.	Approx. 6000
Tungsten	For tungsten (light bulb) light.	Approx. 3200
Fluorescent	For fluorescent light.	Approx. 4000
Flash	When flash is used.	Approx. 6000
Color Temp.	You can manually set color temperature for 2800 to 10000K (in 100K increments) (W-33).	Approx. 2800 to 10000

→ The selected white balance is specified in the RAW adjustment tool palette.

Specifying the Color Temperature

You can specify the color temperature to adjust the white balance.

1 Select [Color Temp.] from the list box.



W

2 Enter a color temperature.

- Enter the color temperature in the [Color Temp.] input box in the range of 2800K to 10000K (in 100K increments).
- The entered color temperature is specified in the RAW adjustment tool palette.



3

Working with Images in EOS Viewer Utility

Click White Balance Function

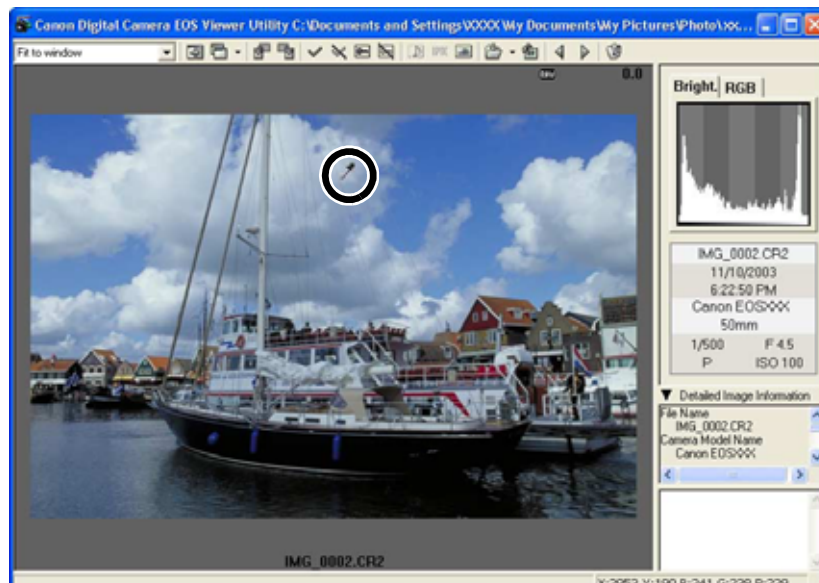
You can automatically adjust the white balance simply by clicking a point in a white part of the image.

1 Click the [Click White Balance] button.

→ When you move the cursor over the image, the cursor [☞] changes to [☞].



2 Click a point in a white part of the image.



- The white balance is adjusted so that the point clicked appears white.
- If you click on another point over the image, the white balance is adjusted again.
- To exit the click white balance, click the [Click White Balance] button.

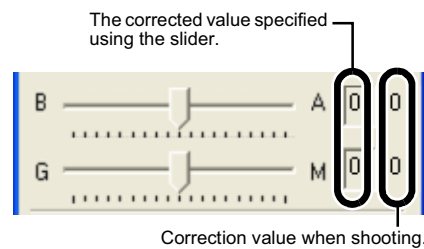
- When you use Click White Balance Function, even though you do not select the [Preview] checkbox, the adjusted white balance is applied to the images in real time.
- When you use Click White Balance Function, [Click WB] is displayed in the [White Balance] list box.

Correcting the White Balance

You can correct the standard color temperature of the white balance. By using this function, you can obtain the effectiveness similar to the color temperature converting filter or color compensating filter (third-party product). The range of compensation is 9 levels for each color.

- This function is especially useful for users who understand the role and effect of the color temperature converting filter or color compensating filter.

Drag the slider left and right to adjust the white balance.



[LB Filter] slider:

Equates to the LB (Light Balancing) filter for color temperature conversion. Dragging the slider toward B-side adds blue hue, and toward A-side, amber hue.

[CC Filter] slider:

Equates to the CC (Color Compensation) filter for color correction. Dragging the slider toward G-side adds green hue, and toward M-side, magenta hue.

→ The corrected value is specified in the RAW adjustment tool palette.



One level of blue/amber hue is equal to five mireds of the color temperature converting filter. (Mired: the unit of the density of the color temperature converting filter)

W

3

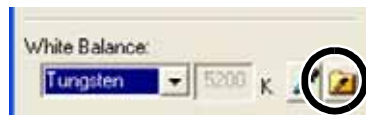
Working with Images in EOS Viewer Utility

Saving the White Balance

You can save the adjusted white balance data on your computer and then register them on the camera as the personal white balance settings (W-82).

1 Adjust the white balance (W-32 to W-35).

2 Click the [Save White Balance Settings] button.
→ The [Save As] dialog box appears.



3 Select the destination folder, enter the file name, and then click the [Save] button.
→ The white balance data is saved.



Windows/Macintosh compatibility for white balance data

White balance data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

Adjusting the Color and Brightness (Adjust Tone Curve)

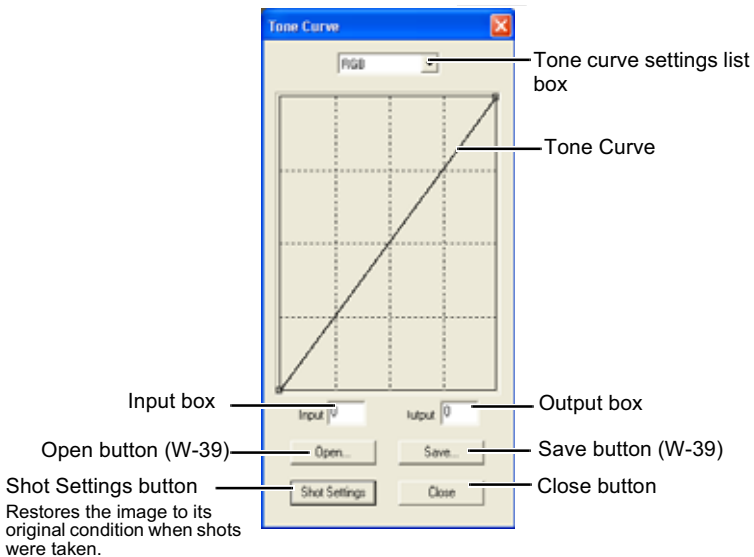
You can use the tone curve to adjust the colors and brightness. You can then save the adjusted tone curve on your computer (W-39) and register it on the camera (W-80).

1 Click the [Tone Curve] button.

→ The [Tone Curve] dialog box appears.



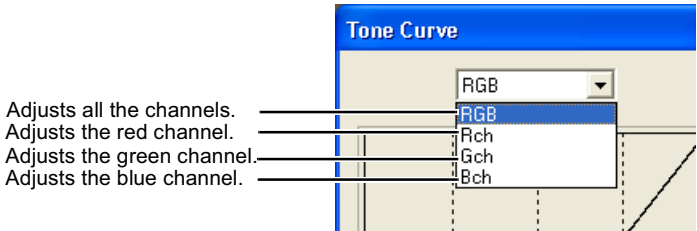
W








3

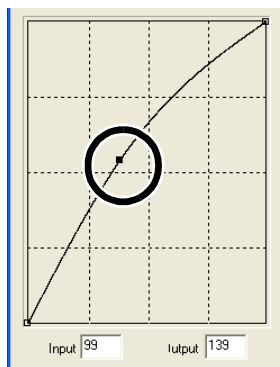
Working with Images in EOS Viewer Utility

2 Select the channel from the list box.



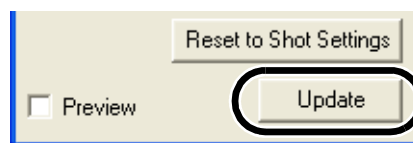
3 Adjust the tone curve.

- Click the tone curve to show  and drag it to a desired location.
Horizontal axis: Input level
Vertical axis: Output level
- To delete , select  and then press the <delete> key on the keyboard.
- Up to four of  can be shown.
- Alternatively, you can adjust the tone curve by selecting  on the tone curve and entering values directly into the [Input] / [Output] box.



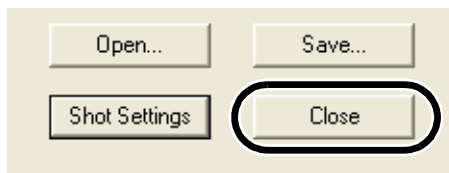
4 Click the [Update] button on the RAW adjustment tool palette.

- The adjusted tone curve is applied to the image.
- While checking the adjusted tone curve, repeat steps 2 and 4 to make further adjustments.



5 Click the [Close] button.

- The [Tone Curve] dialog box closes.



Windows/Macintosh compatibility for tone curve data

Tone curve data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

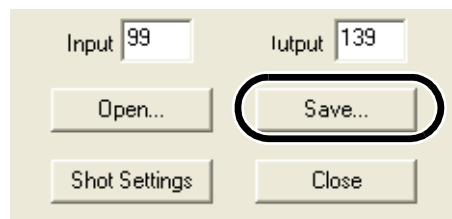
Saving the Tone Curve

You can save the adjusted tone curve.

1 Adjust the tone curve (W-37).

2 Click the [Save] button.

→ The [Save As] dialog box appears.



3 Select the destination folder, enter the file name, and then click the [Save] button.

→ The tone curve is saved.

Loading the Tone Curve

You can apply the saved tone curve to other images.

1 Click the [Open] button.

→ The [Open] dialog box appears.



2 Open the folder containing the tone curve, select the file, and then click the [Open] button.

→ The tone curve is loaded.

3 Click the [Update] button on the RAW adjustment tool palette.

→ The tone curve is applied to the image.

W

3

Working with Images in EOS Viewer Utility

Tone Curve

A tone curve shows the brightness and color saturation for the original image (input) and the adjusted image (output) in the form of a line graph. You can use the tone curve to adjust the image brightness and color saturation values that were set by the camera automatically when the shot was taken.

The tone curve adjustment options include [RGB], which adjusts the input and output for the entire image in a single operation, as well as the [Rch], [Gch] and [Bch] settings that adjust each color individually. You can use the [Tone curve settings] list box to switch between the different channels as you make your adjustments.

The horizontal axis shows the brightness and color saturation for the unadjusted (input) image, with the left-hand end indicating shadow (darker areas of the image) and the right-hand end indicating highlights (brighter areas of the image).

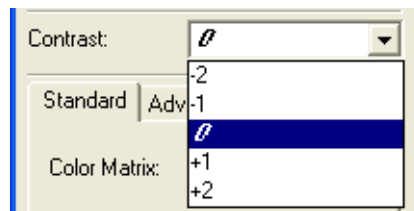
The vertical axis shows the brightness and color saturation for the adjusted (output) image, with the lower end indicating shadow and the upper end indicating highlights.

Selecting the Contrast

You can adjust the contrast of an image.

Select a setting from the list box.

→ The selected setting is specified in the RAW adjustment tool palette.

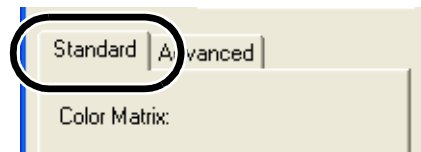


Selecting the Color Matrix

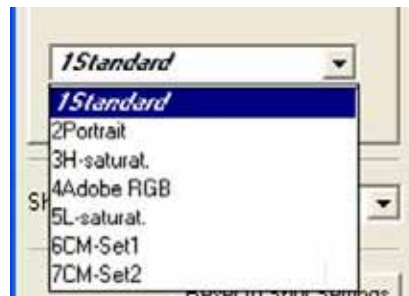
Use the procedure below to select the film-equivalent hue, chroma and color range (the range of colors that can be reproduced).

1 Click the [Standard] tab.

→ The [Standard] tab sheet appears.

**W**

2 Select the color matrix from the list box.

**3**

Working with Images in EOS Viewer Utility

Color Matrix	Details
1 Standard	Reproduces the natural color saturation and tones. Effective for reproducing the subject's natural color tones.
2 Portrait	Reproduces the color tones suited to portraits. Effective for reproducing beautifully natural skin tones.
3 H-saturat.	Reproduces the color saturation similar to that in high-chroma color slide film. Effective for reproducing clear and vivid color tones.
4 Adobe RGB	Processes images so that the color space is compatible with Adobe RGB. Mainly used for printing for business purpose. Not recommended for users who do not have a knowledge of image processing and Adobe RGB DCF 2.0 (Exif 2.21). With a printer that does not support the sRGB PC environments or DCF 2.0 (Exif 2.21), the images are printed with moderate color tone. So, you need to process the images after shooting.
5 L-saturat.	Reproduces low color saturation. Effective for making color tone moderate.

→ The selected color matrix is specified in the RAW adjustment tool palette.

Settings of Color Matrix

Color Matrix	Color Space	Color Saturation	Color Tone
1 Standard	sRGB	Standard	0
2 Portrait	sRGB	Standard	-2
3 H-saturat.	sRGB	Dark	0
4 Adobe RGB	Adobe RGB	Standard	0
5 L-saturat.	sRGB	Dark	0



You can attach the ICC profile to the image (W-45).

Adjusting the Color

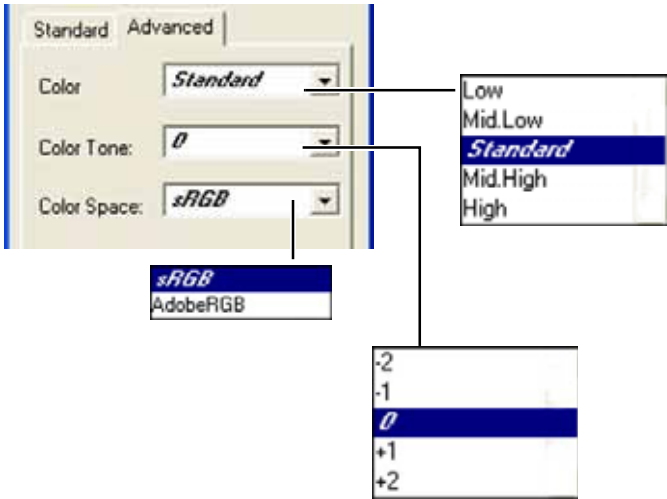
Use the procedure below to specify the color saturation, color tone, and color space for the image.

1 Click the [Advanced] tab.

→ The [Advanced] tab sheet appears.



2 Select the settings from the list boxes.



[-2] strongly adjusts the colors so that skin tones appear redder while [-1] makes the same adjustment less strongly.
[0] applies the standard color matching adjustment.
[+2] strongly adjusts the colors so that skin tones appear yellower while [+1] makes the same adjustment less strongly.

→ The selected setting is specified in the RAW adjustment tool palette.

Selecting a negative value for [Color Tone] makes the color tone reddish, and a positive value, yellowish.

3

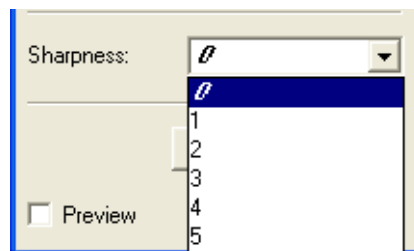
Working with Images in EOS Viewer Utility

Selecting the Sharpness

You can adjust the edge sharpness of an image.

Select an adjustment value from the list box.

- Higher values give higher levels of edge sharpening.
- The selected adjustment value is specified in the RAW adjustment tool palette.



Saving Images

You can convert and save RAW images to TIFF or JPEG images, and save JPEG images as another name. When you convert RAW images to the TIFF format and save them, the specified color space data (W-41 to W-43) is attached to each of images as the ICC profile automatically. ICC stands for International Color Consortium.

1 Select images to be saved (W-23).

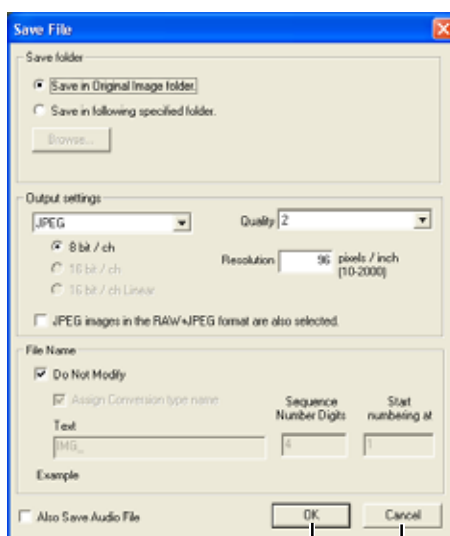
2 Click the [Save File] button and select [Convert and save in file] from the menu that appears.

→ The [Save File] dialog box appears.



3 Specify the settings and click the [OK] button.

→ The images are saved in the selected folder.



Applies the settings and saves the image. Restores the settings to their original ones and closes the [Save File] dialog box.

When you convert RAW images to the TIFF images and save them, the ICC profile is attached to each of images automatically. When you wish to display the images with the ICC profile attached in the retouching software, it is recommended that you should use the software that supports the ICC profile reproducing more faithful colors.

W

3

Working with Images in EOS Viewer Utility

Saving Images

Allows you to specify the folder in which the image will be saved.

The image is saved as a new image in the same folder as the selected image.

When the [Save in following specified folder] radio button has been selected, this button allows you to specify the folder in which the image will be saved. The name of the destination folder is displayed next to the [Browse] button.

Select a setting for [Quality] (compression ratio) when you have selected [JPEG] from the list box, from [4] through [1 (High Compression Ratio)]. Higher values give higher quality of the JPEG image.

If you click this checkbox, the JPEG images that were taken in the RAW+JPEG format are also to be saved.

Specify the resolution for saving images in a range of 10 to 2000 pixels/inch.

If some of the images to be saved are RAW images, select [Do not convert], [JPEG], or [TIFF] for the conversion format. If you select [TIFF], you can select the number of bits used when you save images from [8bit/ch], [16bit/ch] or [16bit/ch linear]. If you select [JPEG], the images are saved in the [8bit/ch] format.

The extensions used for the saved files are shown below.

Conversion Format	Extension
Do not convert	.CR2
JPEG (8bit/ch)	.JPG
TIFF (8bit/ch)	.TIF
TIFF (16bit/ch, 16bit/ch linear)	.TIF

Click this checkbox when you want to save the image without changing the name.

File Name

☒ Do Not Modify

☒ Assign Conversion type name

Text
IMG_

Example IMG_0001_RJ

☐ Also Save Audio File

Sequence Number Digits: 4

Start numbering at: 1

OK Cancel

This is text inserted before the file number. You can enter up to 12 characters. When you enter text, an example appears in the [Example] field below the text box.

When the image files to be saved include images with sound, this option can save the sound files with the respective images.

Enter the number of digits in the sequential number that attaches to the file and the starting number used. A maximum of 9 digits can be specified.

Click this checkbox when saving the file after converting a RAW image to a JPEG image or TIFF image adds one of the following at the end of the file name.

Conversion Format	File Name
JPEG	RJ
TIFF (8bit/ch)	RT8
TIFF (16bit/ch, 16bit/ch linear)	RT16, RT16L

Alternatively, you can perform the same operation using the menu that appears by right-clicking.

W

3

Working with Images in EOS Viewer Utility

Transferring Images to Retouching Software

You can transfer the images displayed in EOS Viewer Utility to retouching software. The descriptions given here use Adobe Photoshop 7.0, as an example.

- In order to transfer images, you will need retouching software such as Adobe Photoshop.
- Be sure to specify the image transfer settings before transferring images.

1 Click the [Transfer images] button.

→ The [Image Transfer] dialog box appears.



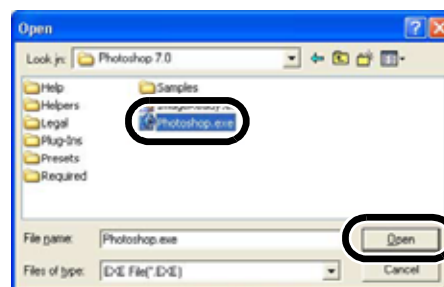
2 Click the [Browse] button.

→ The [Open] dialog box appears.



3 Select the retouching software (Photoshop 7.0) to which the image will be transferred.

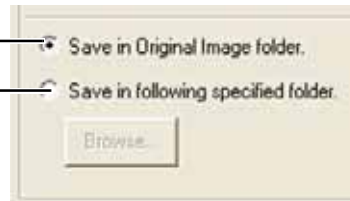
- Select the [C:] drive ► [Program Files] ► [Adobe] ► [Photoshop 7.0] ► [Photoshop]. Then click the [Open] button.
- Photoshop is specified and the dialog box closes.



4 Select the radio button and then select a folder in which the images to be transferred will be saved.

The images to be transferred are saved as new images in the same folder.

Click the [Browse] button and then select a folder in which the images to be transferred will be saved.



W

5 Specify [Output settings] and [File Name] and then click the [OK] button.



3

Working with Images in EOS Viewer Utility

- See “Saving Images” (W-45) for the procedure for specifying [Output settings] and [File Name].
- Photoshop starts up and displays the transferred images.
- The transferred images are saved in the folder that you have selected in step 4.



- It is recommended that you should use the retouching software (third-party product) that supports 16-bit images for the one to be specified for the transfer image function.
- When you convert RAW images to the TIFF format and transfer them, the specified color space data (W-41 to W-43) is attached to each of the images as the ICC profile automatically.
- Alternatively, you can perform the same operation using the menu that appears by right-clicking.

Specifying the Preferences

You can make various settings for transferring images, the information displayed with thumbnail images, and the image resolution for converting RAW images to other formats.

1 Select the [File] menu ► [Preferences].

→ The [General Settings] dialog box appears.

2 Specify the settings and click the [OK] button.

→ The settings are applied and the [General Settings] dialog box closes.

Allows you to select whether the folder that was open the last time is displayed or the specified folder is always displayed when EOS Viewer Utility starts up.

Select the information to be displayed below images, from [File Name] and [Shooting Date/Time]



Restores the settings to the default settings.

Applies the settings and closes the [General Settings] dialog box.

Restores the settings to their original ones and closes the [General Settings] dialog box.

Setting the IPTC Information

IPTC stands for International Press Telecommunications Council and refers to a standard for communications and information exchange tags attached to images. The standard was established by newspaper and communications companies to allow problem-free transmission of images.

You can attach this IPTC information to JPEG images, or to TIFF and JPEG images that were converted from RAW images and saved with EOS Viewer Utility. You can also save the IPTC information on your computer, and then load the saved information and apply it to other images.

1 Select a JPEG image (W-23).

2 Click the [IPTC information] button.

→ The [IPTC information] dialog box appears.



3 Enter information (W-52, W-53).

- Select any of [IPTC-1], [IPTC-2], or [IPTC-3] tab to display the tab sheet, and enter the information.
- The entered IPTC information can be saved on the dialog box that appears by clicking the [Save As] button.
- The saved IPTC information can be loaded on the dialog box that appears by clicking the [Read] button.

4 Click the [Save] button.

→ The specified IPTC information is applied to the image.

5 Click the [OK] button.

→ The [IPTC information] dialog box closes.



Windows/Macintosh compatibility for IPTC information settings data

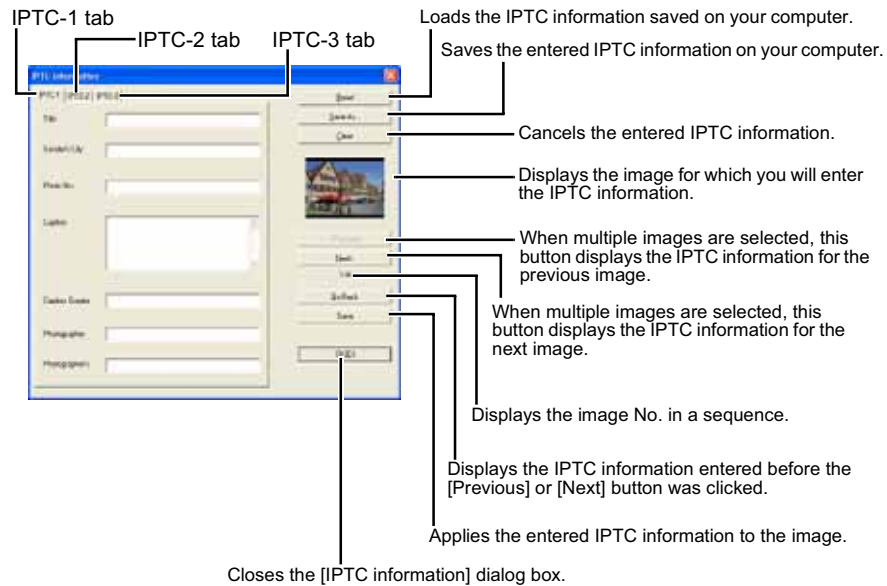
IPTC information settings data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

W

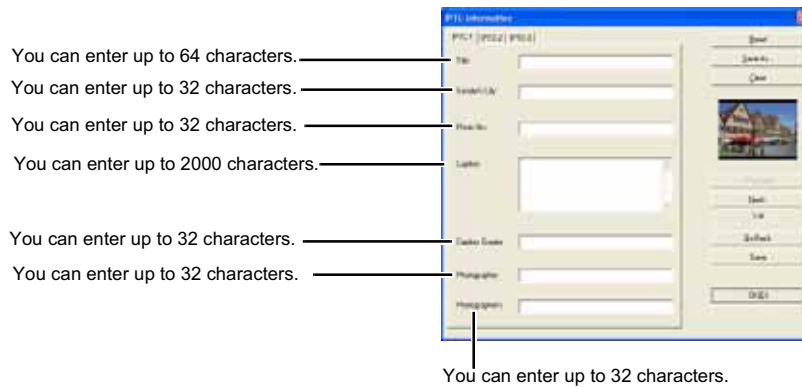
3

Working with Images in EOS Viewer Utility

Setting the IPTC Information



Settings on the [IPTC-1] tab sheet



Settings on the [IPTC-2] tab sheet

You can enter up to 10 characters.

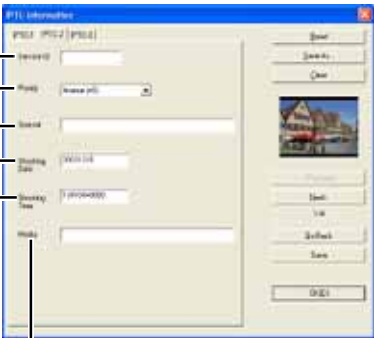
Select [Highest Priority (=1)], [Normal (=5)], or [Low Priority (=8)] from the list box.

You can enter up to 256 characters.

You can enter up to 8 characters.

You can enter up to 11 characters.

You can enter up to 32 characters.



W

3

Settings on the [IPTC-3] tab sheet

You can enter up to 3 characters.

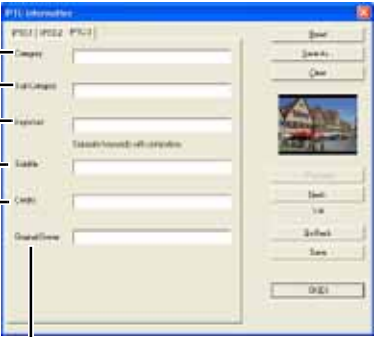
You can enter up to 32 characters.

You can enter up to 32 characters.

You can enter up to 256 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.



Working with Images in EOS Viewer Utility

Merging Images with PhotoStitch

You can merge multiple JPEG images to create a panorama shot.

- 1 Click the [Start] button ► select [All Programs] ([Programs] in other versions of Windows) ► [Canon Utilities] ► [PhotoStitch] ► [PhotoStitch].

→ [PhotoStitch Launcher] appears.

- 2 Click the [Merge Images] button.



→ PhotoStitch starts up.

- Follow the instructions in the guidance window to merge the images.
- Please refer to the PhotoStitch Help menu for more details.



- You cannot merge RAW images in PhotoStitch.
- Up to four images can be merged using PhotoStitch.
- You will need QuickTime 3.0 or later to save merge images made using PhotoStitch in the QuickTime VR format. If QuickTime 3.0 or later is not already installed on your computer, obtain and install it separately.

Specifying Camera Settings in EOS Viewer Utility



This chapter describes how to specify the owner's name and date/time, the Personal Functions, the Parameters, and the Personal White Balance in the camera.

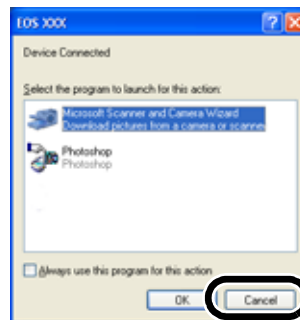
Specifying the Camera Settings	W-56
Basic Settings	W-57
Personal Function Settings	W-58
Description of Personal Functions	W-62
Checking, Saving, and Loading Personal Function Settings	W-75
Shot Settings.....	W-77
Specifying the Parameters	W-78
Specifying the Tone Curve	W-80
Specifying the Personal White Balance.....	W-82
Specifying the Color Matrix.....	W-84
Specifying the JPEG Quality	W-86

Specifying the Camera Settings

You can specify the owner's name and date/time, the personal functions, the processing parameters, and the personal white balance, etc. in the camera.

1 Connect the camera to your computer (W-8).

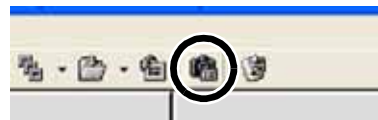
- The dialog box on which the camera model is displayed appears.
- Your camera model is displayed in EOS XXX.
- For Windows Me, the [Scanner and Camera Wizard] dialog box appears.
- Click the [Cancel] button to close the open window.



2 Start up EOS Viewer Utility (W-12).

3 Click the [Camera Settings] button.

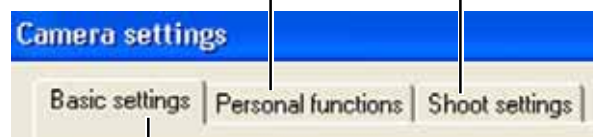
- The [Camera settings] dialog box appears.



4 Select a tab and specify the camera settings.

Sets up to 26 Personal Functions and applies the settings to the camera (W-58).

Specifies parameters (W-78), tone curve (W-80), personal white balance (W-82), color matrix (W-84), and JPEG quality (W-86) on the camera.



You can specify owner's name and shooting date/time on the camera, and check the camera properties data and the status of the battery and the memory card (W-57).

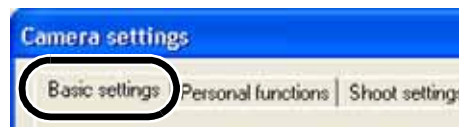
Basic Settings

You can specify the owner's name and date/time in the camera, and check the properties of a memory card (CF card, SD card) in the camera.

1 Display the [Camera settings] dialog box (W-56).

2 Select the [Basic settings] tab.

→ The [Basic settings] tab sheet appears.



3 Specify the basic settings.

This box shows the camera model, body ID (serial number) and firmware version.

Enter a value or click the [▲]/[▼] buttons to specify the date and time.

Enter the name of a camera owner. You can enter up to 31 characters.

Imports the date and time from your computer.

The battery level of the camera is indicated by [] or []. When you are using the DC Coupler Kit, [] is displayed.

This box shows whether a memory card is loaded in the camera along with the available space on the card and its total capacity.

Applies the settings that you have specified in the [Basic settings] tab sheet to the camera.

Applies the settings that you have specified in all the tab sheets to the camera and closes the [Camera settings] dialog box.

Restores the parameters to their original ones and closes the [Camera settings] dialog box.

The screenshot shows the 'Camera settings' dialog box with various fields and buttons. Annotations point to specific areas: 'Camera model', 'Body ID', 'Firmware version', 'Owner name', 'Date and time', 'Import date and time', 'Battery level', 'Memory card', 'OK', and 'Cancel'.

4 Click the [OK] button.

→ The settings are applied and the [Camera settings] dialog box closes.

4

Specifying Camera Settings in EOS Viewer Utility

Personal Function Settings

You can set up to 26 Personal Functions tailored to different types of photography and apply those function settings to the camera. You can also save the specified settings on your computer and load the saved settings.

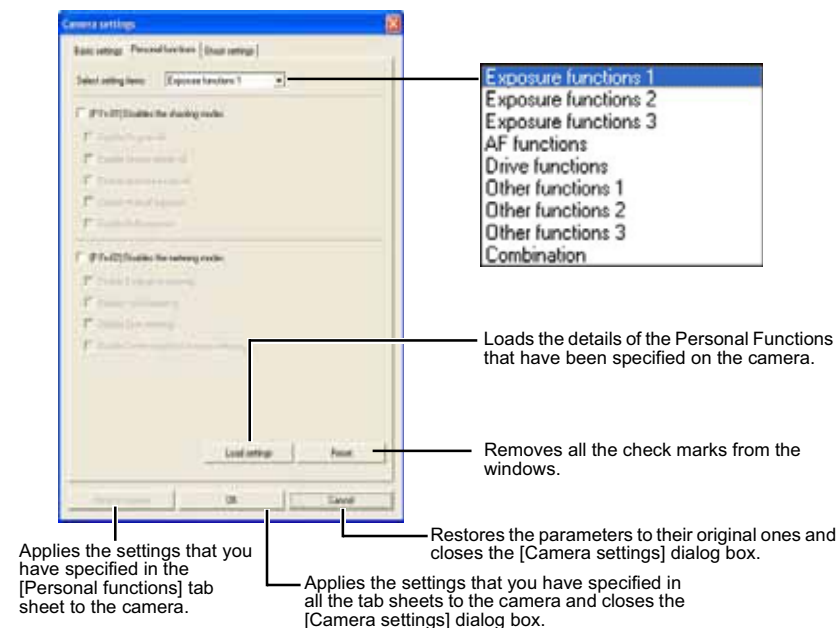
1 Display the [Camera settings] dialog box (W-56).

2 Select the [Personal functions] tab.

→ The [Personal functions] tab sheet appears.



3 From the list box, select a window in which you wish to specify settings.



→ The selected window appears.

- In the [Combination] window, you can check the specified personal function settings and the status of whether or not the settings are applied to the camera. You can also save and load the personal function settings (W-75).

You can specify the Personal Function settings listed below in the different windows.

[Exposure functions 1]

- P.Fn-01** Disables the shooting modes (W-62)
- P.Fn-02** Disables the metering modes (W-62)

[Exposure functions 2]

- P.Fn-03** Specifies the metering mode for manual exposure (W-63)
- P.Fn-04** Sets the maximum and minimum shutter speeds to be used (W-63)
- P.Fn-05** Sets the maximum and minimum apertures to be used (W-64)

[Exposure functions 3]

- P.Fn-06** Registers and switches the shooting mode and metering mode (W-64)
- P.Fn-07** Repeats bracketing during continuous shooting (W-66)
- P.Fn-08** Sets the number of shots to be bracketed (W-66)
- P.Fn-09** Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure (W-66)
- P.Fn-10** Retains the shift amount for program shift (W-67)

[AF functions]

- P.Fn-14** Disables focus detection (search driving) by the lens drive (W-68)
- P.Fn-15** Disables the AF-assist beam from being emitted (W-68)
- P.Fn-16** Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully (W-69)
- P.Fn-17** Disables automatic AF point selection (W-69)
- P.Fn-18** Enables automatic AF point selection when C.Fn-11-2 has been set (W-70)

[Drive functions]

- P.Fn-19** Sets the continuous shooting speed (W-70)
- P.Fn-20** Limits the number of shots during continuous shooting (W-70)
- P.Fn-21** Enables quiet operation when the shutter button is OFF after picture-taking (W-71)

W

4

Specifying Camera Settings in EOS Viewer Utility

[Other functions 1]

- P.Fn-23** Changes the timer's time length (W-71)
- P.Fn-24** Illuminates the LCD panel during bulb exposures (W-72)

[Other functions 2]

- P.Fn-25** Sets the default settings when the CLEAR button is ON (W-72)

[Other functions 3]

- P.Fn-26** Shortened release time lag (W-72)
- P.Fn-27** Enables the electronic dial's function to be used in the reverse direction (W-73)
- P.Fn-28** Prevents exposure compensation with the Quick Control Dial (W-73)
- P.Fn-30** Enables Quick Control Dial switch to turn on/off Main Dial too (W-73)
- P.Fn-31** Add original decision data (W-74)

[Combination]

Allows you to check the settings (W-75)

Allows you to save the settings (W-76)

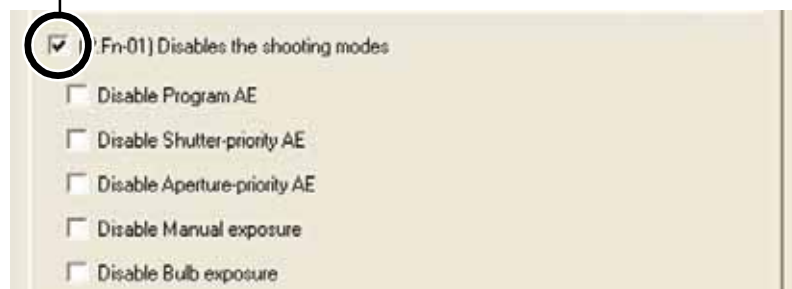
Allows you to load the saved settings (W-76)

* Omission of P.Fn-11, 12, 13, 22 and 29

To match the numbers and descriptions for the Personal Functions to the EOS-1 series, some numbers have been omitted.

4 Set up the Personal Function (W-62 to W-74).

- If you select the checkbox, the selected item takes effect.
Checkbox



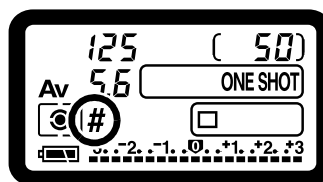
- If you enter a numerical value, values outside the valid range of settings are ignored.
- Clicking the [Load settings] button acquires the settings with the Personal Function settings on the camera.
- Clicking the [Reset] button removes all the check marks from the windows.
- If the Personal Function settings are saved on your computer, the saved settings can be loaded (W-76).

5 Check the settings and save them on your computer if necessary (W-75, W-76).

6 Click the [OK] button.

- Applies the settings and closes the [Camera settings] dialog box.

→ When a Personal Function is applied to the camera, <#> appears on the LCD panel.



W

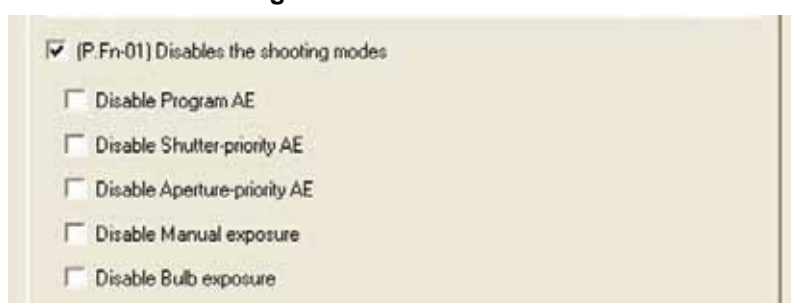
4

Specifying Camera Settings in EOS Viewer Utility


Description of Personal Functions

- The **C.Fn** shown in this section provides brief descriptions of the Custom Function Settings for the respective camera functions. For more details, refer to “Custom Function Settings” in the camera’s Instruction Manual.

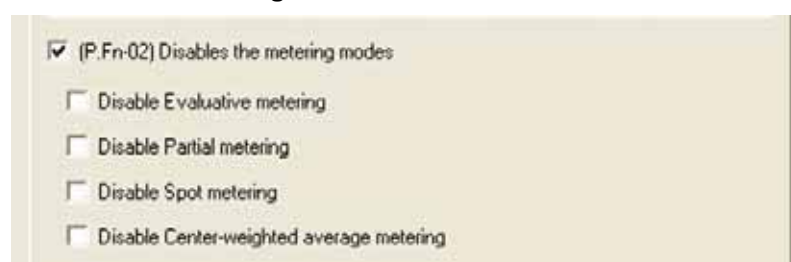
P.Fn-01 Disables the shooting modes




- Click the shooting modes you do not want to use.
- Unwanted shooting modes can be skipped while you are selecting the shooting mode.
- This makes selecting the desired shooting mode faster.

 At least one checkbox must be left unchecked.

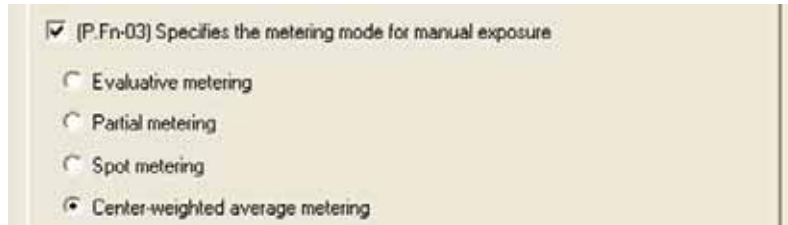
P.Fn-02 Disables the metering modes



- Click the metering modes you do not want to use.
- Unwanted metering modes can be skipped while you are selecting the metering mode.
- This makes selecting the desired metering mode faster.

 At least one checkbox must be left unchecked.

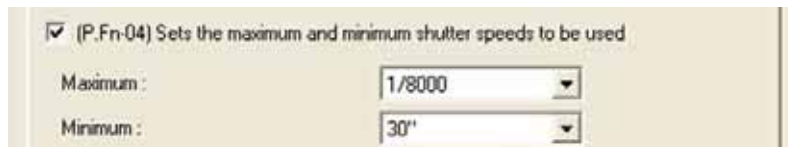
P.Fn-03 Specifies the metering mode for manual exposure



W


- Select the metering mode to be specified.
- You can specify the metering mode to be used in the manual exposure mode.
- When you set the manual exposure mode, the metering mode selected here will be set automatically. In the manual exposure mode, this enables you to use a metering mode different from the one used in the AE modes.


P.Fn-04 Sets the maximum and minimum shutter speeds to be used



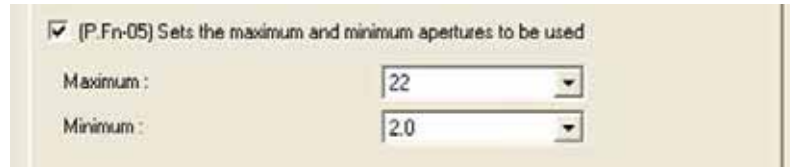
4

- Select the maximum and minimum shutter speeds from the list box.
- For example, if you set 1/2000 sec. as the fastest shutter speed and 1/60 sec. as the slowest, the shutter speed range will be 1/2000 to 1/60 sec.
- This makes shutter speed selection faster and prevents a slow-speed sync. in aperture-priority AE mode with the flash.

 If you set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/750 sec.), the controllable and settable shutter speed range might not be as exact as you set it. (A slight deviation may occur.) This applies if you also set Custom Function C.Fn-6-1 and C.Fn-6-2 and set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/3200 sec.).

-  ● To ensure that a proper flash sync speed is set in the Program AE mode, a shutter speed range of 1/200 sec. to 1/80 sec. cannot be set.
- If safety shift has been enabled (with C.Fn-16), it will override P.Fn-04's shutter speed range.

P.Fn-05 Sets the maximum and minimum apertures to be used



- Select the maximum and minimum apertures from the list box.
- For example, if you set 1.4 for the largest aperture and 8.0 for the smallest aperture, the usable aperture range will be f/1.4 to f/8.0.
- You can better control the apertures used by setting the range of usable apertures.

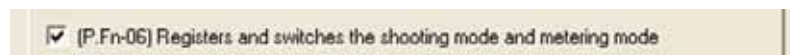



- Specify a minimum aperture value that is smaller than the maximum aperture setting. If you select a minimum aperture value that is larger than the maximum aperture, a warning message appears and the setting reverts to the default value.
- If you set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/4.5), the controllable and settable aperture range might not be as exact as you set it. (A slight deviation may occur.) This applies if you also set Custom Function C.Fn-6-1 or C.Fn-6-2 and set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/6.3).



- If the largest aperture of the attached lens is smaller than the largest aperture you set with P.Fn-05, the largest aperture will be set to the largest aperture of the lens. And if the smallest aperture of the attached lens is larger than the smallest aperture you set with P.Fn-05, the smallest aperture will be set to the smallest aperture of the lens.
- If safety shift has been enabled (with C.Fn-16), it will override P.Fn-05's aperture range.

P.Fn-06 Registers and switches the shooting mode and metering mode



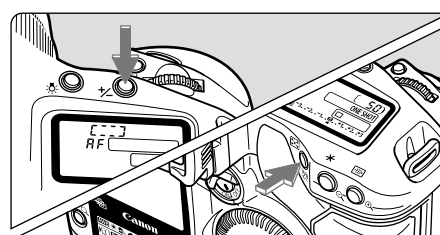
- While you press the  button, you can select the preset shooting mode, exposure setting (such as the aperture for aperture-priority AE), metering mode, and exposure compensation amount.
- Select settings that are appropriate for each shooting mode.
- The modes and settings are preset with the camera.
See "Registering the Modes and Settings with the Camera" for information on the camera procedures (W-65).
- Convenient when you want to instantly select the preset modes and settings to suit a particular shooting situation such as backlit or front-lit conditions.

Registering the Modes and Settings with the Camera (P.Fn-06)

1 Set the shooting mode and shooting mode settings (aperture setting for aperture-priority AE mode). Then set the metering mode and exposure compensation amount.

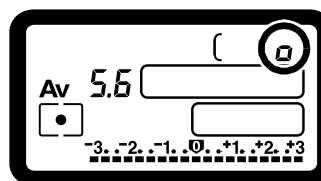
2 Register the modes and settings.

- First press the $\langle \text{P.Fn-06} \rangle$ button, then press the $\langle \text{P.Fn-06} \rangle$ button.



- $\langle \text{P.Fn-06} \rangle$ appears in the LCD panel, indicating that the modes and settings have registered.

- The registered modes and settings can be modified any number of times.



To register the modes and settings, first press the $\langle \text{P.Fn-06} \rangle$ button before the $\langle \text{P.Fn-06} \rangle$ button. If you press the $\langle \text{P.Fn-06} \rangle$ button first, the camera will only select the registered modes and settings instead.

- Bulb cannot be preset.
- You cannot select the registered modes and settings during continuous shooting.
- If P.Fn-03 has been set to specify the metering mode for manual exposure, and P.Fn-06 is used to register the manual exposure mode and a metering mode different from the one specified with P.Fn-03, you can select the metering mode specified with P.Fn-03 by pressing the $\langle \text{P.Fn-06} \rangle$ button.
- If P.Fn-04 and/or P.Fn-05 has been set, set the shutter speed and aperture within the range specified with P.Fn-04 and/or P.Fn-05.
- If the shooting and metering modes you want to set are excluded by the restrictions in P.Fn-01 and P.Fn-02, those Personal Functions must be disabled. For information on clearing and resetting Personal Functions, refer to "Clearing and Resetting Personal Functions" in the camera's Instruction Manual.
- Even if the shooting and metering modes selected by P.Fn-06 are excluded by the restrictions in P.Fn-01 and P.Fn-02, they are still valid for P.Fn-06.

- If C.Fn-4-1 or C.Fn-4-3 has been set, AF and AE will also take effect when you press the $\langle \text{P.Fn-06} \rangle$ button.
- When C.Fn-18 is set, P.Fn-06 is disabled.

W

4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-07 Repeats bracketing during continuous shooting

☒ (P.Fn-07) Repeats bracketing during continuous shooting

- While you hold down the shutter button, bracketing repeats continuously in the currently selected drive mode.
- This function is useful when you want to continuously repeat the bracketing sequence.

P.Fn-08 Sets the number of shots to be bracketed

☒ (P.Fn-08) Sets the number of shots to be bracketed

Shooting frame number :

- Select the number of shots from the list box.
- The usual 3-frame bracketing is changed to 2-, 3-, 5-, or 7-frame bracketing.
- In bracketing shots, if you select 5-frame bracketing with 1-stop increment, the bracketing for the shots is -2, -1, 0, +1 and +2.
- This function is useful for adjusting the range of bracketing.



- Even when the setting is outside the bracketing level display range, the exposure is compensated as specified.
- This function can be used in combination with C.Fn-09-2/3 and P.Fn-09.

P.Fn-09 Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure

☒ (P.Fn-09) Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure

- The bracketing sequence when C.Fn-09-2/3 is selected (decreased exposure → standard exposure → increased exposure) changes to increased exposure → standard exposure → decreased exposure.
- This function is useful when you want to start the bracketing sequence with a increased exposure frame.



- This function can be used in combination with P.Fn-08.

P.Fn-10 Retains the shift amount for program shift

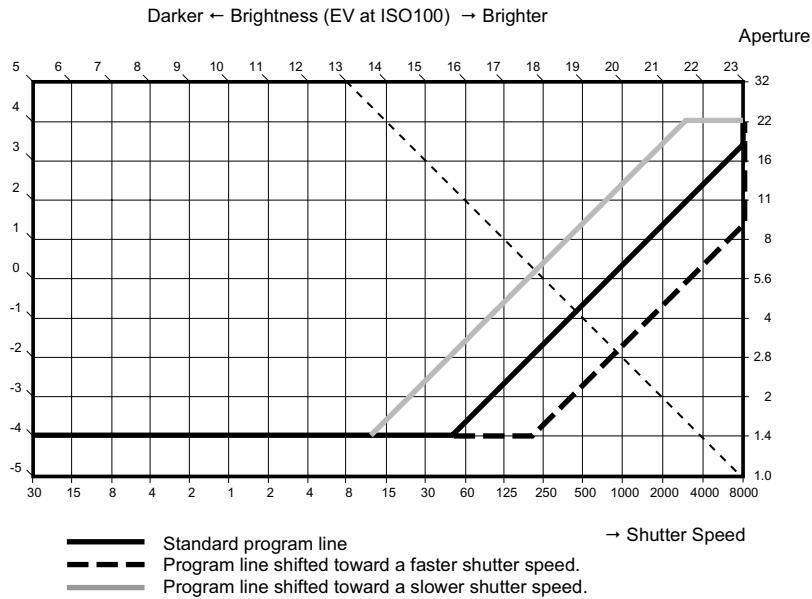
✓ (P.Fn-10) Retains the shift amount for program shift

- Normally, any program shift amount is canceled after you take the picture. This Personal Function retains the program shift amount.
- This function is useful when you want to shift the standard program line so that priority is given to the shutter speed or to the aperture.

W

By shifting the program, you can change the shutter speed or aperture and still retain the same exposure level. Under the same brightness, you can shift the program line toward the right to set a faster shutter speed and a larger aperture (lower f/number). Or you can shift the program line toward the left to set a slower shutter speed and a smaller aperture (higher f/number).

P.Fn-10 retains the amount of program shift. Select the appropriate amount of shift for the level of priority you want to give to the shutter speed or aperture setting.



With EF50mm f/1.4 USM lens

4

Specifying Camera Settings in EOS Viewer Utility



- The program shift amount remains in effect until you set it back to the standard program manually or replace the battery or press the CLEAR button (QUALITY+WB).
- The shift amount is retained even after you change the lens.

P.Fn-14 Disables focus detection (search driving) by the lens drive

☒ (P.Fn-14) Disables focus detection (search driving) by the lens drive

- Normally, when you press the shutter button halfway and focus cannot be achieved, the lens is driven to search the correct focus. This lens driving operation can be turned off.
- When focus has been achieved once and refocusing fails, the subsequent lens driving operation can result in grossly inaccurate focus. This subsequent lens driving operation is turned off. P.Fn-14 is especially suited for super telephoto lenses.



If autofocus is attempted while the lens is way out of focus, the lens may stop operating. Focus manually until the subject outline becomes discernable, then autofocus.

P.Fn-15 Disables the AF-assist beam from being emitted

☒ (P.Fn-15) Disables the AF-assist beam from being emitted

- This disables the external Speedlite's built-in AF-assist beam.
- At a joint photo session, etc., this prevents the AF-assist beam's pattern projected on the subject from being photographed by other photographers.

P.Fn-16 Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully

☒ (P.Fn-16) Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully

- This takes the picture automatically when the subject comes to the preset focusing distance. Focusing detection is performed using the selected AF point.
- Set the lens focus mode switch to <MF> and focus manually at the desired point of focus.
- Keep pressing the shutter button fully.
- Using an accessory like Remote Controller RS-80N3 which can lock the shutter button relieves you from holding down the shutter button while you wait for the subject.



- Because the camera remains on standby while the shutter button is fully pressed, battery power is used up more quickly. For long periods of photography, use the DC Coupler Kit.
- When this function is used in combination with a flash, the flash remains on standby at full charge. Consequently, the flash batteries are used up more quickly. (The Speedlite's SE mode is disabled.)
- When you use a flash with this function, set the drive mode to single-frame shooting. If you select continuous shooting, the flash will be unable to charge in time for successive shots and will not fire at full charge.
- If you set the drive mode to continuous shooting, set the number of shots in P.Fn-20. If you do not use P.Fn-20, once the camera focuses on the subject, continuous shooting will continue until the capacity of the memory card is reached.
- P.Fn-16 cannot be used with manual focus lenses or with lenses that are too slow to be used with autofocus.
- Do not use this function when C.Fn-4-1/3 is set as shots will be taken regardless of whether the image is in focus.




Using an accessory like Remote Controller RS-80N3 which can lock the shutter button is recommended.

P.Fn-17 Disables automatic AF point selection

☒ (P.Fn-17) Disables automatic AF point selection

- When you select beyond the peripheral AF point, the selection stops there. It makes selecting a peripheral AF point faster.



- If C.Fn-11-2 has been set, you can switch to automatic AF point selection by pressing the <  > button during autofocus. (→ "Selecting the AF Point" in the camera's Instruction Manual)
- If automatic AF point selection has been preset at [AF frame registration] setting, the preset setting remains valid. (→ "Registering and Switching the AF Point" in the camera's Instruction Manual)

W


4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-18 Enables automatic AF point selection when C.Fn-11-2 has been set

☒ (P.Fn-18) Enables automatic AF point selection when C.Fn-11-2 has been set

- Enables the standard horizontal AF point selection together with automatic AF point selection with C.Fn-11-2.
- Convenient when you want to use automatic AF point selection while C.Fn-11-2 has been set.

 If P.Fn-17 [Disables automatic AF point selection] has also been set, P.Fn-17 will override P.Fn-18 to disable automatic AF point selection.


P.Fn-19 Sets the continuous shooting speed

☒ (P.Fn-19) Sets the continuous shooting speed

High-Speed Continuous Shooting : 8

Low-Speed Continuous Shooting : 3

- In the list box, select the speed of continuous shots during continuous shooting.
- By reducing the maximum continuous shooting speed, AI Servo AF continuous shooting can be more stable.

 In AI Servo AF, it may not be possible to complete the selected speed of continuous shots.

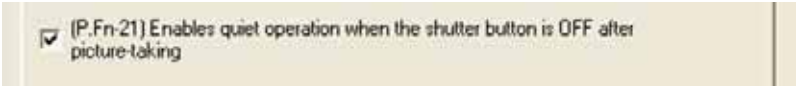
P.Fn-20 Limits the number of shots during continuous shooting

☒ (P.Fn-20) Limits the number of shots during continuous shooting


No. Frames for Continuous Shooting : 99

- This enables you to enter the maximum number of shots to be exposed during continuous shooting while the shutter button is pressed fully.
- Convenient when you do not want to shoot an unwanted scene that follows.

P.Fn-21 Enables quiet operation when the shutter button is OFF after picture-taking

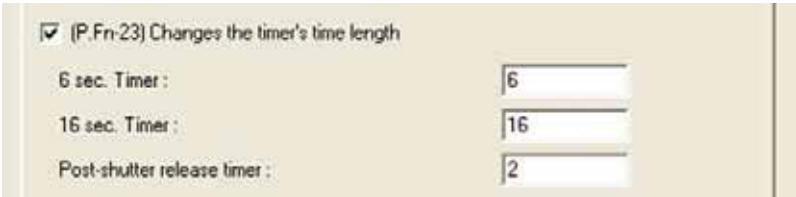


- When single-frame shooting is selected, this function selects quiet camera operation when you release the shutter button from the fully pressed position to the half way position.
- This is useful when the camera operation noise would be disturbing after you take the picture.

 If you select continuous shooting, the camera operates normally.


C.Fn Setting mirror lockup with C.Fn-12 will further reduce the shooting noise.




P.Fn-23 Changes the timer's time length



- After you press and release a button, the respective function remains active for a specific number of seconds. You can change this number of seconds as necessary.
- The function's activation time can be set from 0 to 3600 sec. (1 hour).
- If the standard activation time is too short or too long, you can adjust it.

6 sec. Timer	● After you press the shutter button halfway or the < * > button.
16 sec. Timer	● FE lock time after you press the < FE L > button.
Post-shutter release timer	● Exposure setting retaining time after the picture is taken. Setting this to a longer time can make it easier to shoot with AE lock. ● LCD panel illumination time after the picture is taken.

 Be aware that a longer activation time will consume more battery power. The battery life will become shorter and fewer number of shots can be taken with the battery.

 To turn off the function's activation time midway, press the < MODE > button, < AF > button or <   > button.

W


4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-24 Illuminates the LCD panel during bulb exposures

☒ (P.Fn-24) Illuminates the LCD panel during bulb exposures

- After the bulb exposure starts, press the <LCD panel illumination> button to illuminate the LCD panel until the bulb exposure ends.
- Convenient when you want to monitor the elapsed bulb exposure time.

 Taking bulb shots for long periods speeds up battery charge depletion and reduces the number of available shots.

P.Fn-25 Sets the default settings when the CLEAR button is ON

☒ (P.Fn-25) Sets the default settings when the CLEAR button is ON


Shooting mode :	Program AE
Metering mode :	Evaluative metering
Drive mode :	Single-frame shooting
AF mode :	ONE SHOT AF
Focusing point selection :	Automatic
Image size :	JPEG Large
White balance mode :	Auto
Parameters settings :	Standard
Color matrix :	1Standard

- You can use this function to select the default mode selected when you press the CLEAR button (QUALITY+WB).
- Convenient when you want to instantly switch to frequently-used settings.

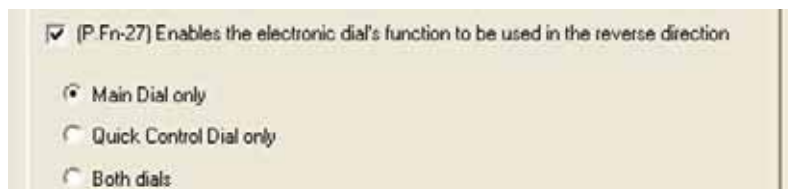
P.Fn-26 Shortened release time lag

☒ (P.Fn-26) Shortened release time lag


- Normally, the shutter-release time lag is controlled for stability. This Personal Function eliminates this control. As a result, the shutter-release time lag can be reduced by as much as about 20 percent when the aperture needs to be stopped down by no more than 3 stops.
- This is effective when a shorter shutter-release time lag is more important than a stable shutter-release time lag.

 Since the difference is in 10-millisecond increments, the time lag may not feel any shorter.

P.Fn-27 Enables the electronic dial's function to be used in the reverse direction



- The electronic dial's rotational function can be reversed for selecting the AF point and setting the shutter speed and aperture.
- By matching the dial's rotation direction to the particular operation, the operation can feel more intuitive.

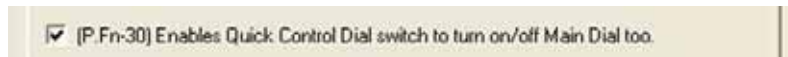
 When the main dial's rotational function is reversed, the horizontal AF point selection direction does not change.

P.Fn-28 Prevents exposure compensation with the Quick Control Dial



- The Quick Control Dial cannot be used to set exposure compensation.
- This prevents exposure compensation from being set accidentally while the AF point is being selected.

P.Fn-30 Enables Quick Control Dial switch to turn on/off Main Dial too



- Setting the Quick Control Dial switch to <OFF> disables the Main and Quick Control Dials.


W

4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-31 Add original decision data

 (P.Fn-31) Add original decision data

- The data that shows whether or not the image is the original one can be added to the image. When selecting the display format of Shooting information (INFO), the icon showing the captured image with Original image verification data is displayed. For more details, refer to “Shooting Information Display” in the camera’s Instruction Manual.
 - For the decision of the original image, you will need the dedicated accessory (optional).
-  The original decision data cannot be added to the JPEG or TIFF image converted from the RAW image.

Checking, Saving, and Loading Personal Function Settings

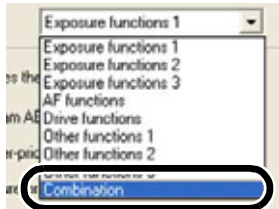
You can check the specified personal functions and the status of whether or not the settings are applied to the camera. You can also save the settings on your computer and then load the saved settings and apply them to the camera.

1 Specify the personal functions (W-62 to W-74).

W

2 Select [Combination] from the list box.

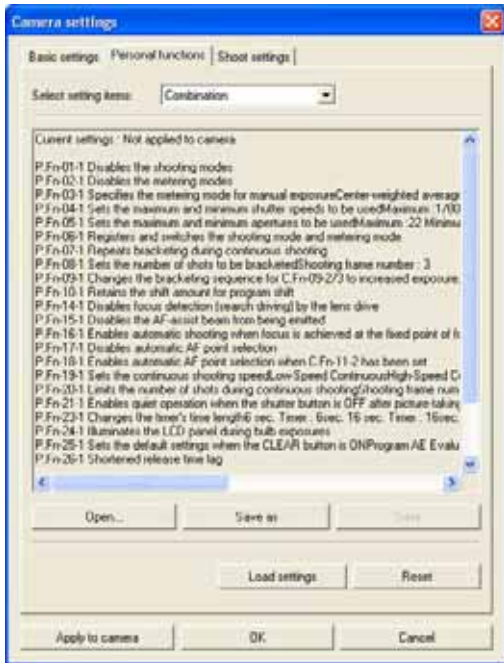
→ The [Combination] window appears.



3 Check the settings, save and load them (W-76).

4

- You can check the Personal Function settings and check if these settings are applied on the camera.



Saving the Settings


1 Click the [Save as] button.

→ The [Save As] dialog box appears.



2 Select the destination folder, enter the file name, and then click the [Save] button.

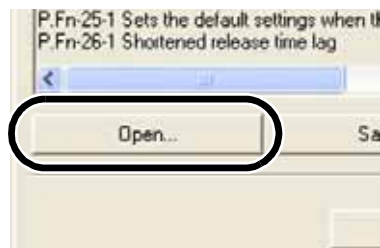
→ The specified Personal Function settings are saved.

 To update an existing file, click the [Save] button.

Loading the Settings

1 Click the [Open] button.

→ The [Open] dialog box appears.



2 Open the folder containing the settings, select the file, and then click the [Open] button.

→ The Personal Function settings data saved in that file are loaded.

Windows/Macintosh compatibility for Personal Function settings data

Personal Function settings data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

Shot Settings

You can specify various shot settings, such as processing parameters, tone curve, personal white balance settings, color matrix, and JPEG quality, and then apply these settings to the camera.

1 Display the [Camera settings] dialog box (W-56).

2 Select the [Shoot settings] tab.

→ The [Shoot settings] tab sheet appears.



3 Click one of the buttons to display each dialog box.

Allows you to select tone curves, specify the sharpness and contrast, and then register these settings on the camera (W-78)

Loads the saved tone curves, and allows you to select color channels and register them on the camera (W-80).

Loads the personal white balance settings, and then registers them on the camera (W-82).

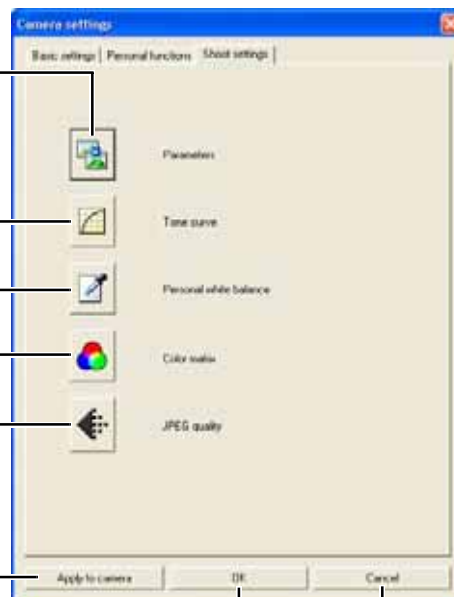
Allows you to select color matrix settings and then register them on the camera (W-84).

Allows you to specify JPEG quality settings (L, M1, M2, S), and register them on the camera (W-86).

Applies the settings that you have specified in the [Shoot settings] tab sheet to the camera.

Applies the settings that you have specified in all the tab sheets to the camera and closes the [Camera settings] dialog box.

Restores the parameters to their original ones and closes the [Camera settings] dialog box.



4 Click the [OK] button.

→ The settings are applied to the camera and the [Camera settings] dialog box closes.

W

4

Specifying Camera Settings in EOS Viewer Utility

Specifying the Parameters

You can select tone curves, specify the sharpness and contrast, and then register up to three sets of these settings on the camera as processing parameters.

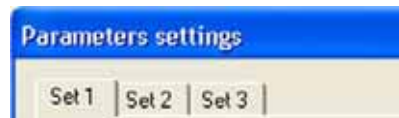
- For more information on setting the processing parameters on the camera, refer to "Setting the Processing Parameters" in the camera's Instruction Manual.

1 Click the [Parameters] button (W-77).

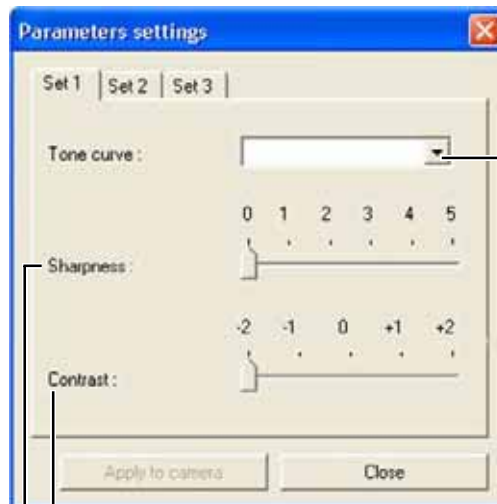
→ The [Parameters settings] dialog box appears.



2 Select the [Set 1], [Set 2], or [Set 3] tab.



3 Specify the tone curve, sharpness, and contrast.



Standard
TCD 1
TCD 2
TCD 3

[Standard]:
The standard tone curve is set.
[TCD 1] through [TCD 3]:
The tone curve that has been
selected in "Specifying the
Tone Curve" (W-80) is set.

Drag the slider left or right to specify the contrast.
Higher values give higher levels of contrast.

Drag the slider left or right to specify the sharpness.
Higher values give higher levels of edge sharpening.

4 Click the [Apply to camera] button.

→ The [Confirm settings] dialog box appears.

5 Confirm the settings and click the [Yes] button.

→ The parameter is registered on the camera.

**6 Click the [Close] button.**

→ The [Parameters settings] dialog box closes.

W

4

Specifying Camera Settings in EOS Viewer Utility

Specifying the Tone Curve

You can download saved tone curves from a computer and register up to three (W-39) as tone curve data on the camera. You can also select the tone curve data that has been loaded into the [TCD 1] through [TCD 3] tab sheets, from the list box shown in “Specifying the Parameters” (W-78).

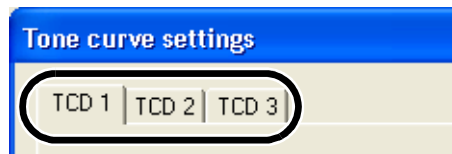
- For more information on registering the tone curve data ([TCD 1] through [TCD 3]) on the camera, refer to “Setting the Processing Parameters” in the camera’s Instruction Manual.

1 Click the [Tone curve] button (W-77).

→ The [Tone curve settings] dialog box appears.



2 Select the [TCD 1], [TCD 2] or [TCD 3] tab.



3 Click the [Open] button.

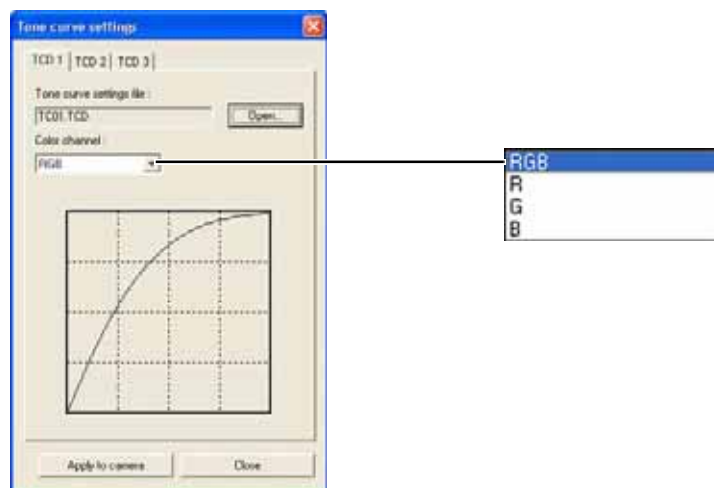
→ The [Open] dialog box appears.



4 Open the folder containing the tone curve, select a file, and then click the [Open] button.

→ The tone curve is loaded.

5 Select a channel from the list box.



W

6 Click the [Apply to camera] button.

→ The tone curve is registered on the camera.

7 Click the [Close] button.

→ The [Tone curve settings] dialog box closes.

4

Specifying Camera Settings in EOS Viewer Utility

Specifying the Personal White Balance

You can download saved white balance data from a computer and register up to three (W-36) as personal white balance on the camera.

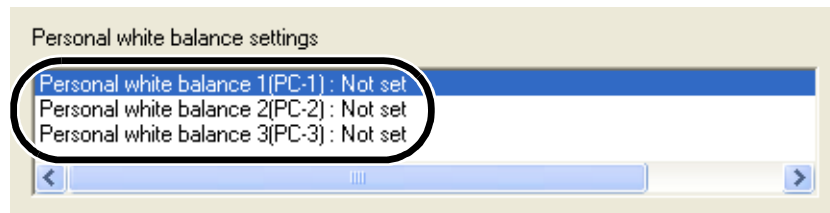
- When you upload a personal white balance setting to the camera, < PC - 1 > to < PC - 3 > is displayed on the panel located on the back of the camera.
- For more information on setting the personal white balance on the camera, refer to "Selecting the White Balance" in the camera's Instruction Manual.

1 Click the [Personal white balance] button (W-77).

→ The [Personal white balance settings] dialog box appears.



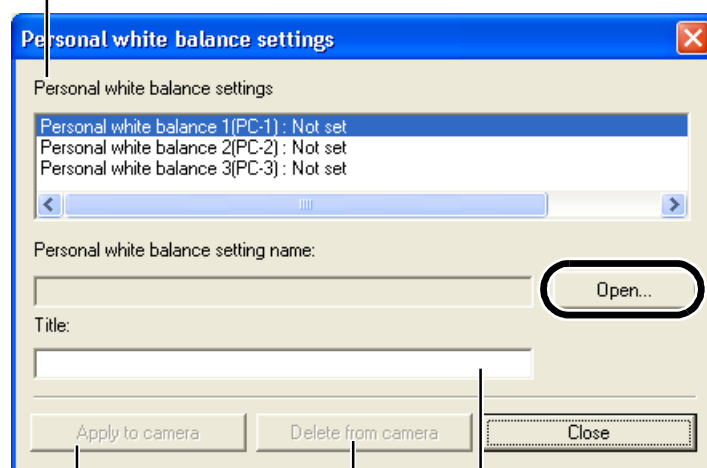
2 Select the PC (Personal White Balance) to be registered from the list.



3 Click the [Open] button.

→ The [Open] dialog box appears.

Displays the setting status for the PC (Personal White Balance) registered on the camera along with their titles.



Registers the selected PC (Personal White Balance) settings on the camera.

Deletes the selected PC (Personal White Balance) from the camera.

Enter a title for the personal white balance to be registered.

4 Open the folder containing the saved white balance, select the file, and then click the [Open] button.

→ The white balance is loaded.

W

4

Specifying Camera Settings in EOS Viewer Utility

5 Enter a title in the [Title] input box.



6 Click the [Apply to camera] button.

- The white balance is registered on the camera.
- To register another setting, repeat steps 2 to 6. You can register up to 3 settings (PC-1, PC-2 and PC-3).
- To delete a registered setting, select the PC (Personal White Balance) from the list and click the [Delete from camera] button.

7 Click the [Close] button.

- The [Personal white balance settings] dialog box closes.

Specifying the Color Matrix

You can specify the color space, color saturation, and color tone, and then register up to two sets of these settings on the camera. You can also select the predetermined color matrix from the list box, which helps you to specify the settings

- For more information on setting the color matrix on the camera, refer to “Selecting the Color Matrix” in the camera’s Instruction Manual.

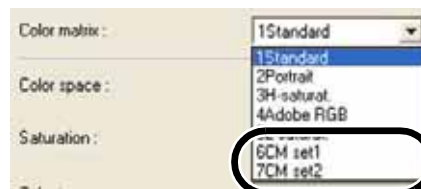
1 Click the [Color matrix] button (W-77).

- The [Color Matrix settings] dialog box appears.

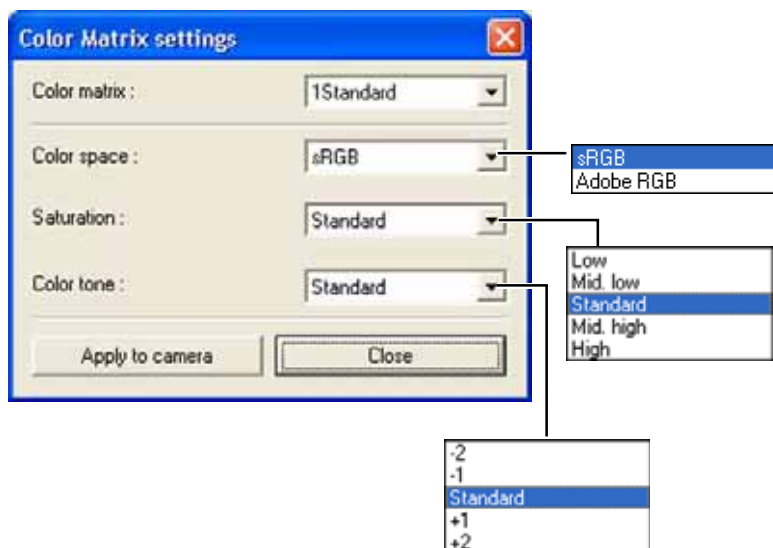


2 Select [CM set1] or [CM set2] from the list box.

- This activates the [Color space], [Saturation], and [Color tone] list boxes.
- If you select any color matrix setting other than [CM set1] or [CM set2], you cannot register the settings on the camera.



3 Select desired settings from the list boxes.



4 Click the [Apply to camera] button.

→ The color matrix is registered on the camera.

5 Click the [Close] button.

→ The [Color Matrix settings] dialog box closes.

Specifying the JPEG Quality

You can specify the JPEG quality for each of the sizes, L (Large), M1 (Middle 1), M2 (Middle 2), and S (Small), and then register the settings on the camera.

- For more information on setting the JPEG quality on the camera, refer to "Setting the Image-recording Quality" in the camera's Instruction Manual.

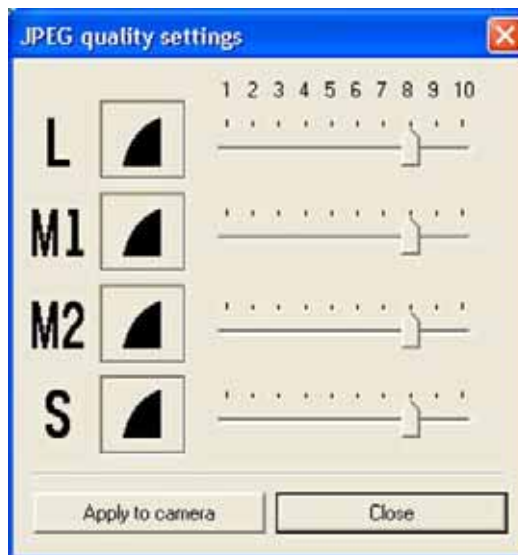
1 Click the [JPEG quality] button (W-77).

- The [JPEG quality settings] dialog box appears.



2 Drag the slider left or right to adjust the JPEG quality.

- Higher values give a lower compression ratio and higher image quality for any size.



3 Click the [Apply to camera] button.

- The JPEG quality is registered on the camera.

4 Click the [Close] button.

- The [JPEG quality settings] dialog box closes.

Remote Shooting in EOS Viewer Utility

5

W

This chapter describes how to use the Remote Shooting function in EOS Viewer Utility for taking shots and specifying the camera settings remotely from your computer.

For more information on the restrictions of remote shooting, refer also to the source listed below.

Readme: Click the [Start] button ► select [All Programs] ([Programs] in other versions of Windows) ► [Canon Utilities] ► [EOS Viewer Utility xx] ("xx" is the version) ► [EOS Capture Readme].

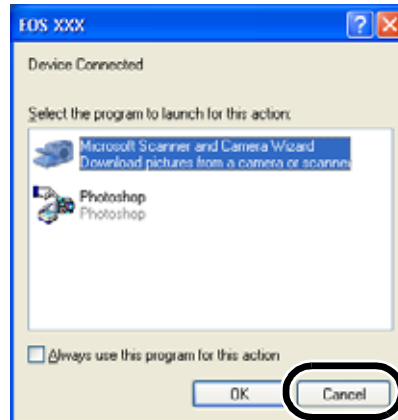
Starting the Remote Shooting Function.....	W-88
Remote Shooting	W-90
Single-frame Shooting	W-90
Timer Shooting	W-91
Interval Timer Shooting	W-92
Specifying the Camera Settings.....	W-93
Specifying the Save Destination	W-93
Camera Settings	W-94
Processing Parameters	W-96

5

Starting the Remote Shooting Function

1 Connect the camera to your computer (W-8).

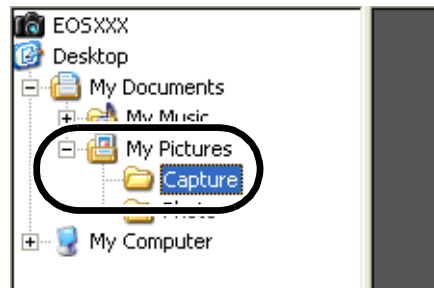
- The dialog box on which the camera model is displayed appears.
- Your camera model is displayed in EOS XXX.
- For Windows Me, the [Scanner and Camera Wizard] dialog box appears.
- Click the [Cancel] button to close the open window.



2 Start up EOS Viewer Utility (W-12).

3 Select the folder to save the image in.

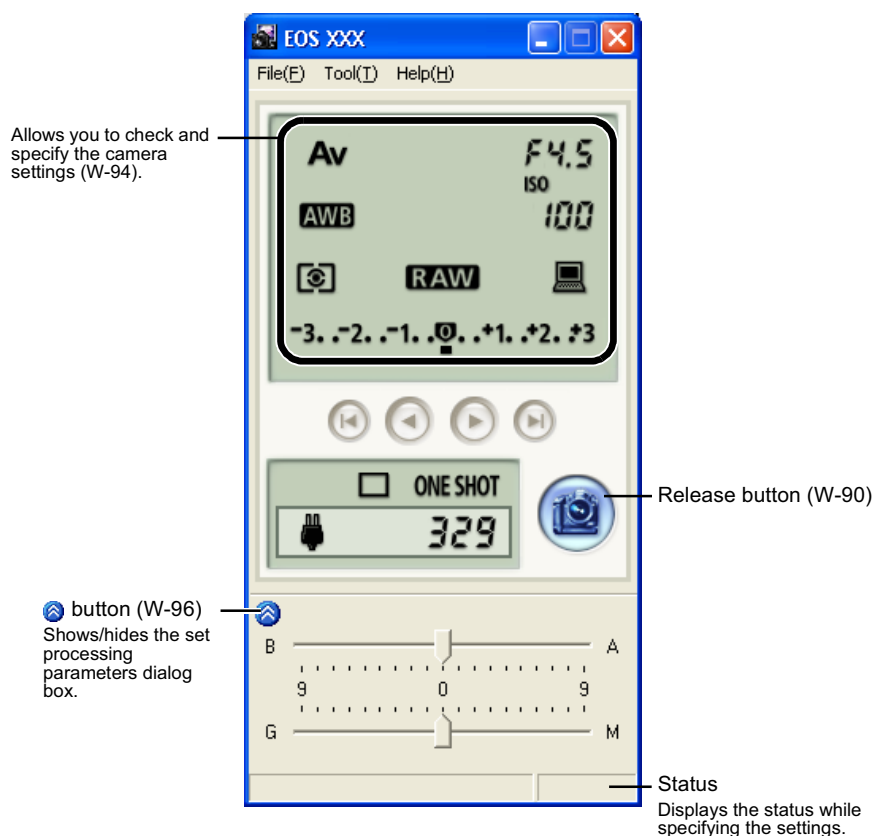
- Select a folder in the Folder Tree Area to save the image in, or create a new folder (W-16). (The [Capture] folder is created in the [My Pictures] folder here as an example.)



4 Select the [Option] menu ► [EOS Capture].

→ The EOS Capture main window appears.

EOS Capture main window



- To exit the Remote Shooting function, select the [File] menu ► [Exit].

EOS Capture is one of the functions of EOS Viewer Utility. Therefore, when you exit EOS Viewer Utility, EOS Capture also exits.

5 Click the [Release] button to take a shot (W-90).

5

Remote Shooting in EOS Viewer Utility

Remote Shooting

You can control the camera from your computer and take single-frame shots, timer shots and interval timer shots. The images are automatically saved on your computer.



Before you use the Remote Shooting function, be sure to check that the camera is ready for shooting. If the camera is not ready for shooting (the lens is not attached, etc.), you cannot perform the operation as shown below.

Single-frame Shooting

1

Set the camera up ready to shoot.

2

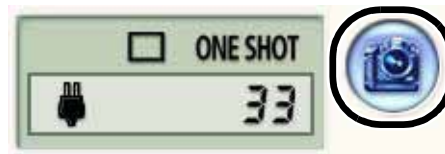
Make various settings.

- See “Camera Settings” (W-94) and “Processing Parameters” (W-96) for information on how to specify the camera settings.
- See “Specifying the Save Destination” (W-93) for information on how to specify the settings for saving images.

3

Click the [Release] button.

→ The shot images are displayed in EOS Viewer Utility and saved in your computer automatically.



Pressing the space bar allows you to shoot.

Approximate Transfer Times for Shooting RAW Images

Transfer Time	Approx. 10 sec.
---------------	-----------------

- The transfer times given here are only approximations. Actual transfer times vary widely depending on the images and the computer system.
- The times for images shot in JPEG format will be shorter than those shown above.
- Transfer times are based on Canon testing standards.

(Time until images appear in the EOS Viewer Utility main window after you uncheck the [Save also on the camera's memory card] checkbox and click the [Release] button in the EOS Capture main window using the following: OS: Windows XP; CPU: 2.2 GHz Pentium 4; RAM: 256 MB)



- When the camera is set to One Shot AF, you cannot take shots if the camera cannot focus.
If you cannot take shots with the auto focusing, focus manually and then take a shot.
- If you take remote shooting while you are using the Explorer in the WIA Driver to display images on the camera, Remote Shooting function may not operate correctly.



The number of available shots changes depending on the available capacity on your computer's hard disk. You can check the number of available shots with the [Shots to Go] (W-94).

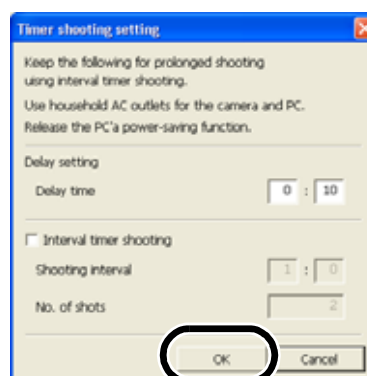
Timer Shooting

1 Select the [Tool] menu ► [Timer shooting].

→ The [Timer shooting setting] dialog box appears.

2 Enter a delay time and click the [OK] button.

- You can set a value between 0 seconds and 99 minutes 59 seconds in 1-second increments.
- Timer shooting shots are taken.



W

5

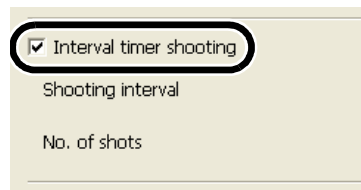
Remote Shooting in EOS Viewer Utility

Interval Timer Shooting

1 Select the [Tool] menu ► [Timer shooting].

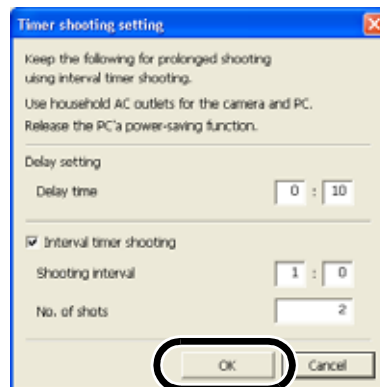
→ The [Timer shooting setting] dialog box appears.

2 Click the [Interval timer shooting] checkbox.



3 Enter the shooting interval and the number of shots. Then click the [OK] button.

- You can set a shooting interval between 5 seconds and 99 minutes 59 seconds in 1-second increments.
- You can set up to a maximum of 1999 shots.
- Interval timer shooting is performed using the specified interval between shots and the specified number of shots.



ⓘ On some types of computers, if you set a short interval between shots and there is insufficient time to download and save the images, it may not be possible to take shots at the specified interval. If this occurs, set a longer interval between shots and take the shots again.

Specifying the Camera Settings

You can check and change the settings in the camera from your computer remotely.

- Before you specify the settings, be sure to check that the camera is ready for shooting. If the camera is not ready for shooting (the lens is not attached, etc.), you cannot make some of the settings.

Specifying the Save Destination

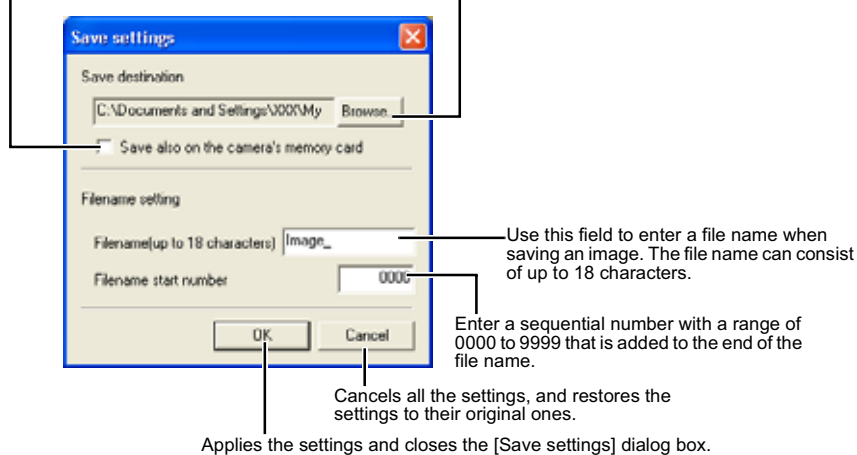
You can specify save destination files and file names.

- 1 Select the [File] menu ► [Save destination settings].**
→ The [Save settings] dialog box appears.
- 2 Specify desired settings and click the [OK] button.**

Save settings dialog box

Clicking the checkbox saves images on the memory card in the camera.

Allows you to change the destination folder to which images will be saved. The name of the destination folder is displayed next to the [Browse] button.



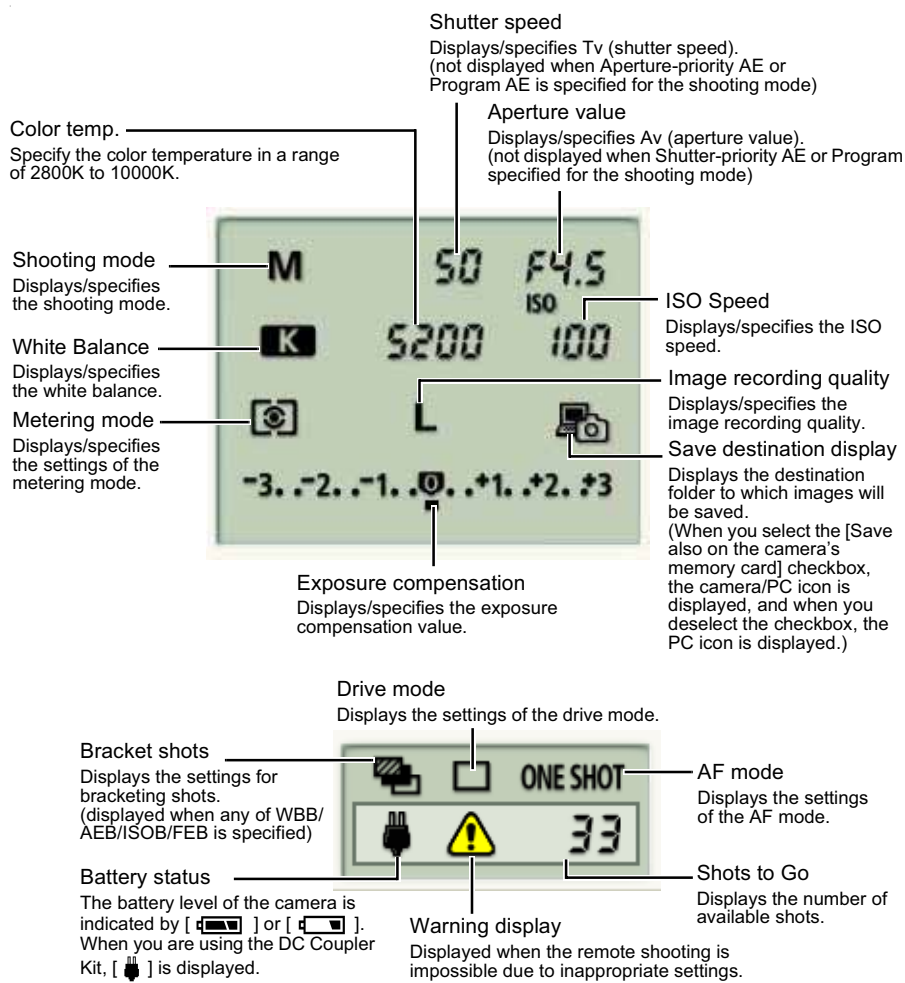
5

Remote Shooting in EOS Viewer Utility

Camera Settings

You can check and specify the camera settings.

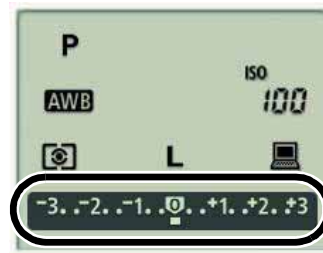
1 Check the camera settings.



* The above window shows all the information at once. In actual use, only the information needed is displayed.

2 Click the icon.

- The icon displayed here shows exposure compensation as an example.



W

3 Use the button to change a value.

Minimum settings button
Specifies the minimum value.

Maximum settings button
Specifies the maximum value.



1-step down settings button
Allows you to decrease the value by 1 step.

1-step up settings button
Allows you to increase the value by 1 step.

→ The changed settings are applied to the camera.

5

Remote Shooting in EOS Viewer Utility

Processing Parameters

You can specify the processing parameters displayed in the camera.

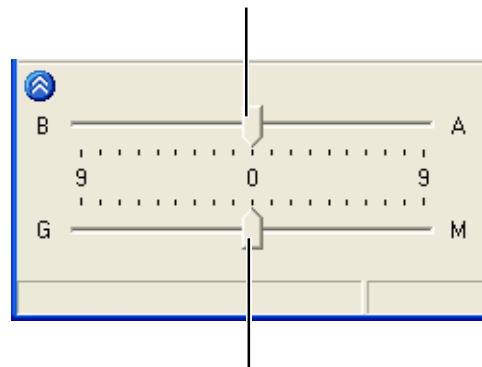
- If the [Set processing parameters] dialog box has not appeared, click the [⚙️] button.

Change the settings.

- Use the slider and list box to specify the settings.

LB Filter slider

Allows you to correct the white balance using the digital color filter for blue/amber hue.



CC Filter slider

Allows you to correct the white balance using the digital color filter for green/magenta hue.

- The changed settings are applied to the camera.

6

Downloading JPEG Images with the Driver

This chapter describes how to download JPEG images using the WIA Drivers for Windows XP or Windows Me, and the TWAIN Drivers for Windows 2000 or Windows 98 SE.

A number of restrictions apply to the WIA Driver. You must read the “WIA Driver Readme” file before using the WIA Driver.

Readme: Click the [Start] button ► select [All Programs] ([Programs] in Windows Me) ► [Canon Utilities] ► [EOS XXX WIA Driver] ► [WIA Driver Readme].

For more information on the restrictions of the TWAIN Driver, refer also to the sources listed below.

Readme: Click the [Start] button ► select [Programs] ► [Canon Utilities] ► [EOS XXX TWAIN Driver] ► [TWAIN Driver Readme].

Help: Displayed by clicking the [Help] button in the TWAIN Driver main window.

Your camera model is displayed in EOS XXX.

Downloading Images with the WIA Driver	W-98
Downloading with [Scanner and Camera Wizard]	W-98
Downloading with Explorer	W-100
Downloading with the WIA TWAIN	W-101
Downloading Images with the TWAIN Driver	W-102

Downloading Images with the WIA Driver

You can download JPEG images using the [Scanner and Camera Wizard] dialog box, Explorer or WIA TWAIN.

- See Chapter 3 to download RAW images.

Downloading with [Scanner and Camera Wizard]

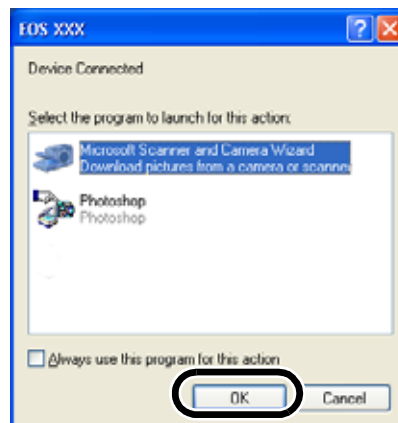
You can download JPEG images to your computer by following the instructions on the dialog boxes.

1 Connect the camera to your computer (W-8).

- The dialog box on which the camera model is displayed appears.
- For Windows Me, the [Scanner and Camera Wizard] dialog box appears. Proceed to step 3.

2 Select [Microsoft Scanner and Camera Wizard], and then click the [OK] button.

- The [Scanner and Camera Wizard] dialog box appears.
- Your camera model is displayed in EOS XXX.



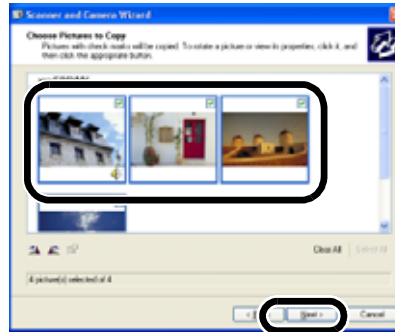
3 Click the [Next] button.

- The [Choose Pictures to Copy] dialog box appears.
- For Windows Me, the [Picture Selection] dialog box appears.



4 Select the image(s) you wish to download and click the [Next] button.

- To select multiple images, press and hold the <Ctrl> or <Shift> key on the keyboard while clicking on images. To select all the images, click the [Select All] button.
- The [Picture Name and Destination] dialog box appears.
- For Windows Me, the [Picture Destination] dialog box appears.



W

5 Select the destination folder, enter the file name and click the [Next] button.

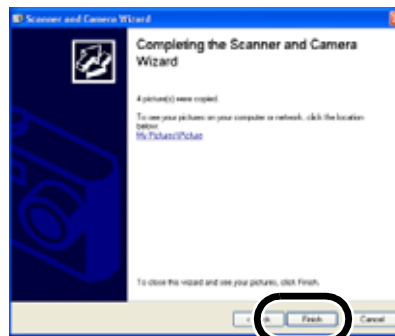
- The images are downloaded and the [Other Options] dialog box appears.
- If you do not select the destination folder, a new folder is created in [My Pictures] and images are saved in that folder.
- For Windows Me, select the destination folder, enter the file name and click the [Finish] button. The images are saved and the [Picture Destination] dialog box closes.

6 Select the [Nothing. I'm finished working with these pictures] radio button and click the [Next] button.

- The [Completing the Scanner and Camera Wizard] dialog box appears.

7 Click the [Finish] button.

- The images are saved and the [Scanner and Camera Wizard] dialog box closes.



6

Downloading JPEG Images with the Driver

Downloading with Explorer

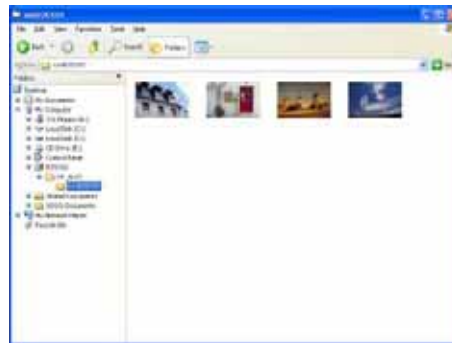
You can download JPEG images to your computer by dragging and dropping them.

1 Connect the camera to your computer (W-8).

- The dialog box on which the camera model is displayed and the [Scanner and Camera Wizard] dialog box appear.
- Click the [Cancel] button to close all the open windows.

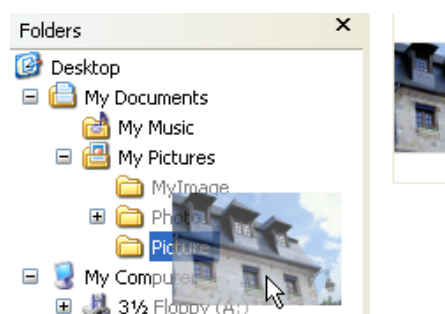
2 Start up Explorer and select a folder.

- You can start Explorer by right-clicking the [Start] button and selecting [Explorer] from the menu that appears.
- In the Explorer view, double-click the connected camera's icon ► [CF_SLOT] folder and then click the [xxxEOSXXX] folder (For Windows Me, double-click the [xxxEOSXXX] folder).
- "xxx" represents a number between 100 and 999, and "EOSXXX" represents the camera model on which shots were taken.
- The camera's images will be displayed as thumbnails in the Explorer view.



3 Save the image.

- Drag and drop the image to the folder in the Explorer view.
- The image is saved.



⚠ If you attempt to use Remote Shooting while you are using Explorer to display images on the camera, the Remote Shooting function may not operate correctly.

Downloading with the WIA TWAIN

You can download JPEG images to your computer by using the TWAIN Driver-compatible retouching software. The descriptions given here use Adobe Photoshop 7.0, as an example.

1 Connect the camera to your computer (W-8).

- The dialog box on which the camera model is displayed and the [Scanner and Camera Wizard] dialog box appear.
- Click the [Cancel] button to close all the open windows.

2 Start Photoshop.

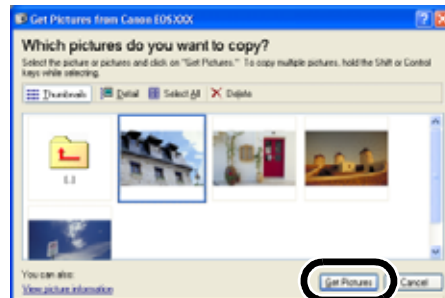
- Click the [Start] button ► select [All Programs] ([Programs] in Windows Me) ► [Adobe Photoshop 7.0].
- Photoshop starts up.

3 Select the [File] menu ► [Import] ► [WIA-EOSXXX].

- The [Get Pictures from Canon EOS XXX] dialog box appears.

4 Select the image(s) you wish to download and click the [Get Pictures] button.

- The selected image(s) will be downloaded to Photoshop.



The method for starting the application and the dialog box contents differ depending on your retouching software. Refer to the retouching software User's Manual for details.

6

Downloading JPEG Images with the Driver

Downloading Images with the TWAIN Driver

You can download JPEG images to your computer by using the TWAIN Driver-compatible retouching software. The descriptions given here use Adobe Photoshop 7.0, as an example.

- See Chapter 3 to download RAW images.

1 Connect the camera to your computer (W-8).

- The dialog box on which the camera model is displayed appears.
- Click the [Cancel] button to close all the open windows.

2 Start Photoshop.

- Click the [Start] button ► select [Programs] ► [Adobe Photoshop 7.0].
- Photoshop starts up.

3 Select the [File] menu ► [Import] ► [Canon EOSXXX].


- The TWAIN Driver starts and the JPEG image in the camera is displayed.
- To exit the TWAIN Driver, select the [File] menu ► [Exit].



4 Select the image to be transferred and select the [File] menu ► [Transfer Images].

- The image transferred to Photoshop is displayed.

 You cannot display or download the images saved on an SD card.

-  ● You can also transfer images by double-clicking a thumbnail image.
- The method for starting the application and the dialog box contents differ depending on your retouching software. Refer to the retouching software User's Manual for details.

Troubleshooting and Uninstallation



This chapter provides troubleshooting and describes the software uninstallation procedures.

Troubleshooting	W-104
Uninstalling the Software.....	W-108
Uninstalling the Software.....	W-108
Uninstalling the Driver	W-109
Index	W-117

Troubleshooting

When the “Could not complete installation correctly” or “Communication between the camera and computer failed” message appears, check the items described below.

- The camera name is shown in the operation screens as “EOS XXX”.

Installation failed.

- **If you are using Windows XP Professional or Windows 2000, are you using the computer under a user setting other than [Computer administrator] or [Administrator]?**
 - You cannot install software if a user setting other than [Computer administrator] or [Administrator] is selected. Select the [Computer administrator] user setting in Windows XP Professional or the [Administrator] user setting in Windows 2000. For detailed information on selecting the user setting, refer to the computer User's Manual.
- **Is the cable firmly plugged into its socket?**
 - To complete the installation, ensure that the plugs on the dedicated cable are securely plugged into the ports on the camera and computer when you connect the camera to your computer (W-8).
- **Are the camera and computer set up correctly for communication?**
 - Is the camera's power switch set to <ON>?
 - Even when the camera's power switch is set to <ON>, operation of the Auto power off function will automatically switch the camera off. To prevent this, set the Auto power off function to [Off]. (Refer to “Menu Operations” in the camera's Instruction Manual.)
- **Does the [Add New Hardware Wizard] ([Found New Hardware Wizard] in Windows 2000) dialog box appear during installation?**
 - Click the [Cancel] button, disconnect the dedicated cable, and then repeat the installation procedure from the beginning.
- **Doesn't the installer panel appear?**
 - Use the following procedure to display the installer panel.
Click the [Start] button ► [My Computer]. (In other versions of Windows, double-click [My Computer] on the desktop.) ► right-click the CD-ROM drive containing the CD ► select [Open] from the menu that appears ► double-click the icon on the right.



I have installed the software but the camera and computer cannot communicate.

● Is the driver installed?

- The driver is required for communications between the camera and computer. When you want to communicate between the camera and computer, be sure to install the driver shown below appropriate to your windows.
 - Windows XP/Windows Me: WIA Driver
 - Windows 2000/Windows 98 SE: TWAIN Driver

W

● Have you installed the WIA Driver or TWAIN Driver?

- Even if you have installed the WIA Driver or TWAIN Driver, installation is not completed unless the camera is connected to the computer. Insert the Solution Disk into the CD-ROM drive, install the WIA Driver or TWAIN Driver, and then connect the camera to your computer.

● Does your computer comply with these requirements?

- PC with Windows XP, Windows 2000, Windows Me or Windows 98 SE preinstalled and equipped with an IEEE1394 port (W-2).
 - * Operation is not guaranteed when an IEEE1394 connection is used on computer systems other than those listed above.

● Are the camera and computer connected correctly?

- Connect the camera to your computer correctly using the dedicated cable (W-8).

● Is there sufficient charge left in the camera battery?

- Your computer does not supply power to the camera. Connect the DC Coupler Kit to the camera or load a fully charged battery into the camera before connecting it to your computer.

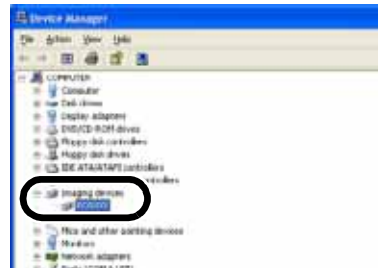
● Do you have more than one camera connected to your computer?

- If you connect more than one camera to the same computer, the driver and camera may not operate normally.
- Exit the software and disconnect all the dedicated cables. Then connect only one camera to the same computer again.

7

● **Is the driver operating normally?**

Connect the camera to your computer with the dedicated cable and set the camera's power switch to <ON> (W-8) and open [Device Manager] (W-107). Click the plus symbol [+] to the left of [Imaging devices] and check that the connected camera is displayed.



→ If the connected camera is not displayed, the driver is not operating normally. Briefly disconnect and then reconnect the dedicated cable, ensuring that the connection is secure. If the connected camera still does not appear, use the following procedure to re-install the driver.

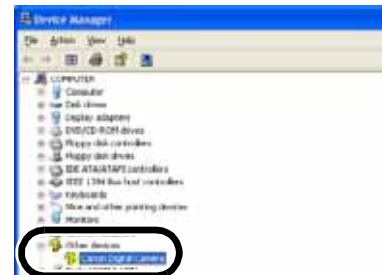
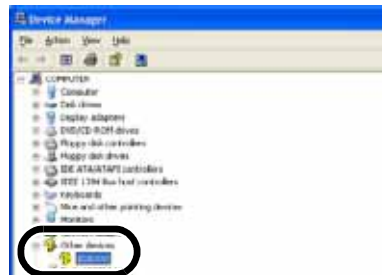
- 1 Disconnect the dedicated cable and delete the driver (W-109).
- 2 Re-install the driver (W-4).

→ When the [X], [!] or [?] symbol is displayed beside the connected camera, part of the driver is missing or corrupted. Use the following procedure to re-install the driver.

- 1 Delete the camera displayed in [Imaging devices].
- 2 Disconnect the dedicated cable and delete the driver (W-109).
- 3 Re-install the driver (W-4).

● **Is the driver installed correctly?**

Connect the camera to your computer with the dedicated cable and set the camera's power switch to <ON> (W-8) and open [Device Manager] (W-107). Click the plus symbol [+] to the left of [Other devices] or [Unknown devices] and check whether the connected camera or [Canon Digital Camera] is displayed.



- If the connected camera or [Canon Digital Camera] is displayed in [Other devices] or [Unknown devices], the driver was not installed correctly. Use the following procedure to re-install the driver.
 - 1 Delete the camera or [Canon Digital Camera] displayed in [Other devices] or [Unknown devices].
 - 2 Disconnect the dedicated cable and delete the driver (W-109).
 - 3 Re-install the driver (W-4).

I connected the camera to the computer before installing the software

W

● Did you set the camera's power switch to <ON>?

- If you did not set the camera's power switch to <ON>, proceed as follows:
 - 1 Disconnect the dedicated cable from the camera and computer.
 - 2 Install the Solution Disk software on your computer using the correct installation procedure (W-4) and then connect the camera to your computer to complete the installation (W-8).
- If you set the camera's power switch to <ON>, proceed as follows:
 - 1 If [Found New Hardware Wizard] or any other dialog boxes appear, click the [Cancel] buttons to cancel all the dialog boxes.
 - 2 Set the camera's power switch to <OFF>.
 - 3 Disconnect the dedicated cable from the camera and computer.
 - 4 Install the Solution Disk software on your computer using the correct installation procedure (W-4) and then connect the camera to your computer to complete the installation (W-8).

To Display the Device Manager

● Windows XP

- Click the [Start] button ► select [Control Panel] ► [Performance and Maintenance] ► [See basic information about your computer]. Then select the [Hardware] tab and click the [Device Manager] button.

● Windows 2000

- Click the [Start] button ► select [Settings] ► [Control Panel]. Then double-click the [System] icon to open and select the [Hardware] tab and click the [Device Manager] button.

● Windows Me and Windows 98 SE

- Click the [Start] button ► select [Settings] ► [Control Panel]. Then double-click the [System] icon to open and select the [Device Manager] tab.

7

Uninstalling the Software

- Before beginning the software uninstallation, exit all programs you are using and disconnect the dedicated cable from your computer.

Uninstalling the Software

The following uses the procedures for uninstalling EOS Viewer Utility as an example for uninstalling other programs as well.

- For information on uninstalling the WIA Driver or TWAIN Driver, see “Uninstalling the Driver” (W-109).
- For Windows XP Professional or Windows 2000, log in using computer Administrator privileges.
- To prevent computer malfunctions, always restart your computer after you have uninstalled the software. Re-installing the software without first restarting your computer is likely to result in computer malfunctions.

1 Click the [Start] button ► select [All Programs] ([Programs] in other versions of Windows) ► [Canon Utilities] ► [EOSViewerUtility xx] ► [EOSViewerUtility Uninstall].

- EOS Viewer Utility version information is displayed in xx.

2 Proceed with the uninstallation as directed by the on-screen messages.

- Software is uninstalled.

Uninstalling the Driver

To uninstall the driver, you must first uninstall the WIA Driver or TWAIN Driver, then remove the camera information from the [Scanners and Cameras Properties] dialog box or the [Scanners and Cameras] dialog box, and then delete the driver settings files.

- For Windows XP Professional or Windows 2000, log in using computer Administrator privileges.
- To prevent computer malfunctions, always restart your computer after you have uninstalled the driver. Re-installing the driver without first restarting your computer is likely to result in computer malfunctions.
- The camera name is shown in the operation screens as "EOS XXX".

W

1 Uninstall [EOS XXX WIA Driver] or [EOS XXX TWAIN Driver].

- Your camera model is displayed in EOS XXX.
- For Windows XP or Windows Me, click the [Start] button ► select [All Programs] ([Programs] in Windows Me) ► [Canon Utilities] ► [EOS XXX WIA Driver] ► [WIA Driver Uninstall].
- For Windows 2000 or Windows 98 SE, click the [Start] button ► select [Programs] ► [Canon Utilities] ► [EOS XXX TWAIN Driver] ► [TWAIN Driver Uninstall].

2 Proceed with the uninstallation as directed by the on-screen messages.

- The driver is uninstalled.

3 Connect the camera to your computer.

- If the dialog box on which the camera model is displayed or the [Scanner and Camera Wizard] dialog box appears, click the [Cancel] buttons to close all open windows.

4 Click the [Start] button ► [Control Panel] ► [Printers and Other Hardware] ► [Scanners and Cameras].

- In other versions of Windows, click the [Start] button ► select [Settings] ► [Control Panel]. Then double-click the [Scanners and Cameras] icon.
- For Windows XP or Windows Me, the [Scanners and Cameras] dialog box appears.
- For Windows 2000 or Windows 98 SE, the [Scanners and Cameras Properties] dialog box appears.

7

Troubleshooting and Uninstallation

5 Delete the camera information in the [Scanners and Cameras] dialog box.

- For Windows XP or Windows Me, select and right-click the camera that you are using and then select [Delete] from the menu that appears. When the confirmation message appears, click the [Yes] button.
- For Windows 2000 or Windows 98 SE, select the camera that you are using and click the [Remove] button.
- If the camera that you are using is not displayed in the [Scanners and Cameras] dialog box or the [Scanners and Cameras Properties] dialog box, close the dialog box and proceed as follows.

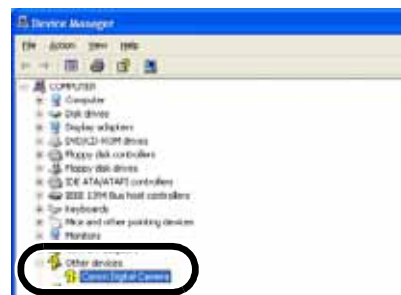
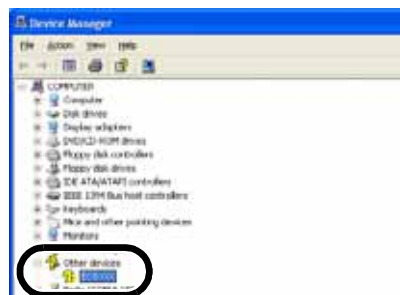


⚠ If drivers for other devices such as scanners are already installed, those device names are displayed. Take particular care not to delete the wrong driver.

6 Display [Device Manager] (W-107).

7 Delete the camera information from [Device Manager].

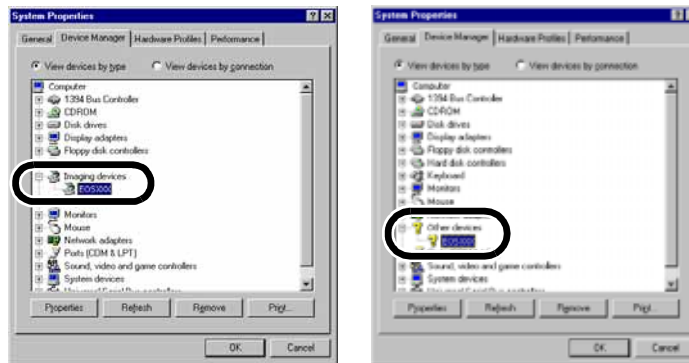
For Windows XP and Windows 2000 users:



- If the camera that you are using is displayed when you click the plus symbol [+] to the left of [Imaging devices] or [Other devices], select [Delete] on the menu that appears by right-clicking the camera that you are using, and then click the [OK] button.
- If the camera that you are using is displayed in both [Imaging devices] and [Other devices], or multiple cameras are displayed in [Other devices], delete all of them in the same way.
- If the camera that you are using is not displayed or after it is deleted, click the [OK] button and then proceed to the next step.

W

For Windows Me and Windows 98 SE users:



- If the camera that you are using is displayed when you click the plus symbol [+] to the left of [Imaging devices] or [Other devices], select the camera that you are using and click the [Remove] button. When the confirmation message appears, click the [OK] button.
- If the camera that you are using is displayed in both [Imaging devices] and [Other devices], or multiple cameras are displayed in [Other devices], delete all of them in the same way.
- If the camera that you are using is not displayed or after it is deleted, click the [OK] button and then proceed to the next step.

7

8 Delete the driver settings files.

- The method for deleting the settings files differs depending on your Windows. Refer to the information on the following pages to delete the settings files.
 - Windows XP (W-112)
 - Windows 2000 (W-113)
 - Windows Me, Windows 98 SE (W-115)

Deleting the Driver Settings Files

1 Mistakenly deleting the wrong files can cause Windows to malfunction. Check the file names carefully before deleting any files.

For Windows XP users:

1 Click the [Start] button ► select [Control Panel] ► [Appearance and Themes] ► [Folder Options].

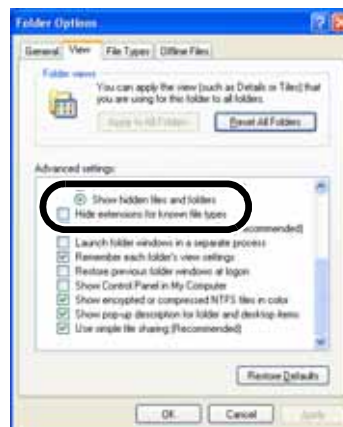
→ The [Folder Options] dialog box appears.

2 Select the [View] tab.

→ The [View] tab sheet appears.

3 Select the [Show hidden files and folders] radio button and then deselect the [Hide extensions for known file types] checkbox.

- If these settings are already selected, simply proceed to the next step.



4 Click the [OK] button to close the [Folder Options] dialog box.

→ Previously hidden folders and files now become visible.

5 Click the [Start] button ► [My Computer].

6 Double-click [C:] drive ► the [WINDOWS] folder ► the [Inf] folder to open.

7 Search for files called [Oem*.inf] or [Oem*.pnf].


- Substitute a number such as 1 or 2 for the asterisk (*). Also, because [Oem*.inf] and [Oem*.pnf] files come in pairs, substitute the same number for the asterisk in each pair (e.g. Oem2.inf and Oem2.pnf).
- The [Inf] folder may contain multiple pairs of [Oem*] files.

8 Check the contents of the [Oem*.inf] files.

- Double-click an [Oem*.inf] file to display the file contents. Check that [; **** Canon Camera Driver Setup File ****] appears on the first line.
- If there are multiple [Oem*.inf] files, repeat this procedure.
- Once you have identified the target file or files, make a note of the file names.

W

9 Delete the [Oem*.inf] and [Oem*.pnf] files you identified.

 The [Inf] folder contains a large number of files. Mistakenly deleting the wrong files can cause Windows to malfunction. Check the file names carefully before deleting any files.

For Windows 2000 users:

1 Click the [Start] button ► select [Settings] ► [Control Panel].

2 Double-click the [Folder Options] icon.

→ The [Folder Options] dialog box appears.

3 Select the [View] tab.

→ The [View] tab sheet appears.

7

Troubleshooting and Uninstallation

4 Select the [Show hidden files and folders] radio button and then deselect the [Hide file extensions for known file types] checkbox.

- If these settings are already selected, simply proceed to the next step.



5 Click the [OK] button to close the [Folder Options] dialog box.

- Previously hidden folders and files now become visible.

6 In [My Computer] on the desktop, open [C:] ► the [WINNT] folder ► the [Inf] folder.


7 Search for files called [Oem*.inf] or [Oem*.pnf].

- Substitute a number such as 1 or 2 for the asterisk (*). Also, because [Oem*.inf] and [Oem*.pnf] files come in pairs, substitute the same number for the asterisk in each pair (e.g. Oem2.inf and Oem2.pnf).
- The [Inf] folder may contain multiple pairs of [Oem*] files.

8 Check the contents of the [Oem*.inf] files.

- Double-click an [Oem*.inf] file to display the file contents. Check that [; **** Canon Camera Driver Setup File ****] appears on the first line.
- If there are multiple [Oem*.inf] files, repeat this procedure.
- Once you have identified the target file or files, make a note of the file names.

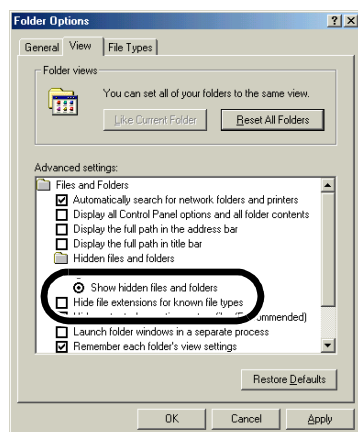
9 Delete the [Oem*.inf] and [Oem*.pnf] files you identified.

 The [Inf] folder contains a large number of files. Mistakenly deleting the wrong files can cause Windows to malfunction. Check the file names carefully before deleting any files.

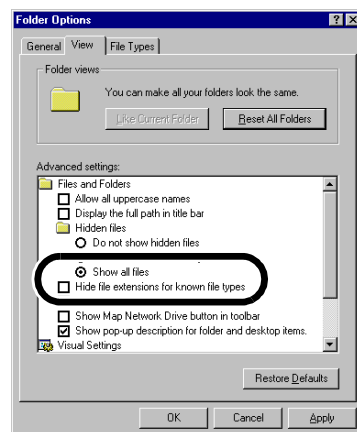
For Windows Me and Windows 98 SE users:

- 1 Click the [Start] button ► select [Settings] ► [Control Panel]. Then double-click the [Folder Options] icon.
 - For Windows 98 SE, click the [Start] button ► select [Settings] ► [Folder Options].
 - The [Folder Options] dialog box appears.
- 2 Select the [View] tab.
 - The [View] tab sheet appears.
- 3 Select the [Show hidden files and folders] radio button (the [Show all files] radio button in Windows 98 SE) and then deselect the [Hide file extensions for known file types] checkbox.
 - If these settings are already selected, simply proceed to the next step.

Windows Me



Windows 98 SE



- 4 Click the [OK] button to close the [Folder Options] dialog box.
 - Previously hidden folders and files now become visible.
- 5 In [My Computer] on the desktop, double-click [C:] ► the [Windows] folder ► the [INF] folder (the [inf] folder in Windows 98 SE) to open.

W

7

Troubleshooting and Uninstallation

6 Delete [DRVDATA.BIN] and [DRVIDX.BIN] files.



7 Double-click the [Other] folder in the [INF] folder to open.

8 Delete the [Canon.IncCAP_1DM2.inf] file if it exists.



- "1DM2" is displayed in place of "XXX" in the file name.
- The [Canon.IncCAP_1DM2.inf] file may not exist depending on your computer system.

! The [INF] folder contains a large number of files. Mistakenly deleting the wrong files can cause Windows to malfunction. Check the file names carefully before deleting any files.

Index

A

Adjusting the Color	W-43
Adjusting the Tone Curve	W-37
Adjusting the White Balance	
Click White Balance Function	W-34
Correcting the White Balance	W-35
Selecting the White Balance	W-32
Specifying the Color Temperature	W-33
Attaching Check Marks to Images	W-24

B

Basic Settings	W-57
----------------------	------

C

Checking the AF Point	W-22
Checking the Image Information and Entering Comments	W-27
Completing the Installation	W-8
Connecting the Camera to Your Computer	
Connecting the Camera to Your Computer for the First Time	W-8
Connecting the Camera to Your Computer the Second Time or Later	W-9

D

Deleting Images	W-27
Description of Personal Functions	W-62
Digital Exposure Compensation	W-31
Downloading Images	W-16
Downloading Images with the TWAIN Driver ..	W-102
Downloading Images with the WIA Driver	W-98

E

Editing Images	W-26
Editing RAW Images	W-29
EOS Capture Main Window	W-89
EOS Viewer Utility Main Window	W-13

I

ICC	W-45
Installing the Software	W-4

L

Loading the Personal Function Settings ...	W-76
Loading the Tone Curve	W-39

M

Main Functions of the Software	
EOS Viewer Utility/EOS Capture	4
PhotoStitch	4
TWAIN Driver	4
WIA Driver	4
Merging Images with PhotoStitch	W-54

O

Operation Flow	5
----------------------	---

P

Personal Function Settings	W-58
Playing Back Sound	W-28
Preview Window	W-20
Printing Images	W-28
Processing RAW Images	W-29
Protecting Images	W-26

R

RAW Adjustment Tool Palette	W-15
Remote Shooting	
Interval Timer Shooting	W-92
Single-frame Shooting	W-90
Timer Shooting	W-91
Rotating Images	W-26

S

Saving Images	W-45
Saving the Personal Function Settings ..	W-76
Saving the Tone Curve	W-39
Saving the White Balance	W-36
Selecting Images	
Selecting Images in the Main Window	W-23
Selecting Images in the Preview Window ..	W-23
Selecting Images by Condition	W-24
Selecting the Color Matrix	W-41

W

7

Troubleshooting and Uninstallation

Selecting the Contrast	W-40
Selecting the Display Size	W-22
Selecting the Sharpness	W-44
Setting the IPTC Information	W-51
Settings of Color Matrix	W-42
Shot Settings	W-77
Specifying the Camera Settings	W-56
Specifying the Camera Settings (EOS Capture) ...	W-94
Specifying the Color Matrix	W-84
Specifying the Date and Time	W-57
Specifying the JPEG Quality	W-86
Specifying the Owner's Name	W-57
Specifying the Parameters	W-78
Specifying the Personal White Balance	W-82
Specifying the Preferences	W-50
Specifying the Processing Parameters	W-30
Specifying the Processing Parameters (EOS Capture)	W-96
Specifying the Save Destination (EOS Capture) ..	W-93
Specifying the Tone Curve	W-80
Starting EOS Viewer Utility	W-12
Starting the Remote Shooting Function	W-88
Supported Image Formats	W-17
System Requirements	W-2

T

Thumbnail Display	W-20
Tone Curve	W-40
Transferring Images to Retouching Software	W-48
Troubleshooting	W-104

U

Uninstalling

Driver	W-109
Software	W-108

Macintosh



Where explanations are common to all operating systems, the screens used in the examples are from Mac OS X (10.2). In this chapter, Mac OS X and Mac OS 9.2 are referred to as OS X and OS 9 respectively.

1 Installing the Software M-3

Describes how to install the bundled software.

2 Preparation for Downloading Images M-7

Explains how to connect the camera or a card reader (third-party product) to your computer.

3 Working with Images in EOS Viewer Utility M-11

Explains how to use EOS Viewer Utility to download images to your computer, edit and save images, and transfer the downloaded images to the retouching software.

4 Specifying Camera Settings in EOS Viewer Utility M-55

Describes how to specify the owner's name and date/time, the Personal Functions, the Parameters, and the Personal White Balance in the camera.

5 Remote Shooting in EOS Viewer Utility M-87

Describes how to use the Remote Shooting function in EOS Viewer Utility for taking shots and specifying the camera settings remotely from your computer.

6 Troubleshooting and Uninstallation M-97

Provides a troubleshooting and describes the software uninstallation procedures.

Index M-101

System Requirements

The software bundled with this product runs on the systems described below.

OS	Mac OS X (version 10.2 recommended), Mac OS 9.0 to 9.2 (Mac OS 9.2 recommended)
Computer	Macintosh with one of the above OS installed and a FireWire (IEEE1394) port as a standard feature
CPU	Power PC
RAM	Mac OS X: Minimum 256 MB Mac OS 9.0 to 9.2: Minimum 128 MB
Interface	FireWire (IEEE1394)
Hard disk space	EOS Viewer Utility/EOS Capture: 300 MB or more PhotoStitch: 30 MB or more
Display	Resolution: 1024 × 768 or more Colors: Thousands or more

- These software programs are not compatible with UFS (Unix File System) formatted disks on Mac OS X.
- A CD-ROM drive is required for installation.

1

Installing the Software

This chapter describes how to install the bundled software.

Installing the Software	M-4
-------------------------------	-----

M

1

Installing the Software

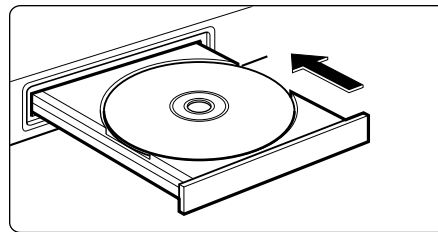
- Check that your Macintosh complies with the system requirements for the software (M-2) as you follow the installation procedure.

1 Start up your Macintosh.

- Quit any programs that are running.

2 Insert the CD (EOS DIGITAL Solution Disk).

- The CD icon appears on the desktop.

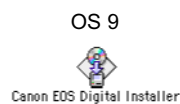


3 Start installation.

- Double-click the CD icon ► the [Mac OS X] folder. Then double-click the icon on the right.



- For OS 9, double-click the [Mac OS 9] folder in the CD window and then double-click the icon on the right.



- The Installer panel appears.

4 Click the [Install] button.

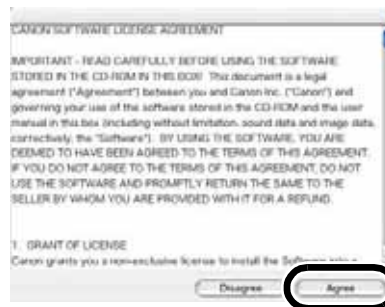


5 Select [Easy Installation] and click the [Next] button.



M

6 Check the details of the License Agreement and then click the [Agree] button.



1

Installing the Software

7 Check the folder in which the software will be installed and then click the [Next] button.

- Installation begins. It takes approx. 2 to 3 minutes.



8 Finish the installation.

- Click the [OK] button.

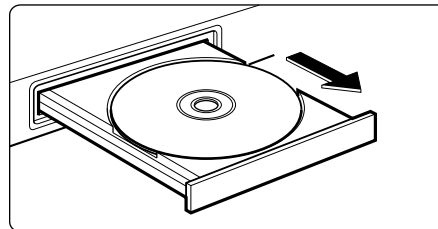


9 Click the [Exit] button.



10. Once the installation is complete, remove the CD.

- Connect the camera to your computer in Chapter 2.



Preparation for Downloading Images



This chapter explains how to connect the camera or a card reader (third-party product) to your computer.

Connecting the Camera to Your Computer.....	M-8
Using Your Card Reader	M-10

M

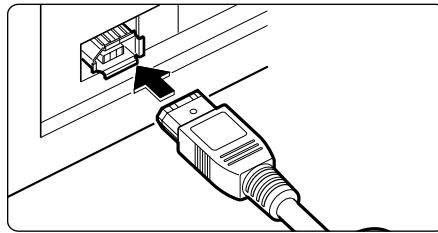
2

Connecting the Camera to Your Computer

Before downloading images to your computer or specifying the camera settings, you must connect the camera to your computer with the dedicated FireWire (IEEE1394) cable. You can connect the camera while your computer is running.

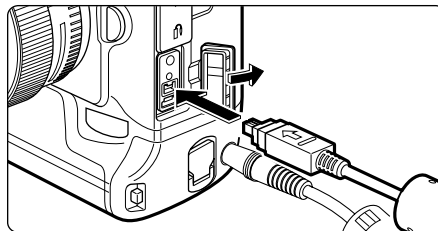
1 Plug the dedicated cable into the computer.

- Plug the cable into the FireWire (IEEE1394) port.
- Refer to the computer User's Manual for information on the terminal areas.



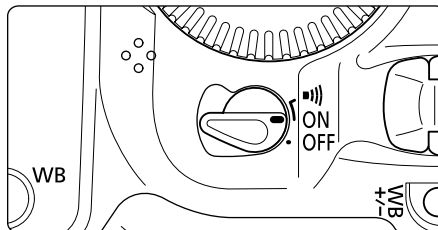
2 Plug the dedicated cable into your camera.

- Open the cover and plug the cable into the < DIGITAL > terminal.



3 Set the camera's power switch to <ON>.

- The camera is now ready to communicate with your computer.
- Proceed to Chapter 3 continuously.





- Never perform the following operations while the software installed from the Solution Disk is running after connecting the camera to the computer as a communications error may occur.
 - Set the camera's power switch to <OFF>.
 - Open the memory card slot cover.
 - Disconnect the dedicated cable, remove the battery, and then remove the DC coupler.
 - Disconnect the AC adapter's plug or power cord.
 Before you perform the operations above, be sure to quit all the software.
- Use only the dedicated FireWire (IEEE1394) cable.
- Push the plug firmly all the way into the socket. Loose connections can cause faults or malfunctions.
- Do not connect the camera to your computer via a hub. Or do not connect multiple FireWire (IEEE1394) devices to your computer. If you do so, the camera may not operate correctly.
- Operation of the Auto power off function will automatically switch the camera off, disabling to communicate with your computer. Set the Auto power off function to [OFF] in advance. (Refer to "Menu Operations" in the camera's Instruction Manual.)
- Do not connect more than one camera to the same computer. The connections may not operate correctly.
- While the camera and your computer are communicating, the camera's LCD panel may blink or the image on the monitor may flicker. However, this is not a malfunction.
- When unplugging the dedicated cable, be sure to grip the sides of the plug as you pull it out.
- If you do not perform any operation while the camera and computer are connected, a confirmation message appears on the computer screen asking whether you wish to continue communicating with the camera for some computer systems. If you do not perform any operation even after this message appears, the communication with the camera is terminated. To re-establish the communication, press the shutter button down halfway or set the camera's power switch to <OFF> and then back to <ON>.
- Do not put your computer to sleep while it is connected to the camera. If your computer goes into the sleep mode, never disconnect the dedicated cable while your computer is still in sleep mode. Always wake your computer up while it is connected to the camera. On some types of computer, disconnecting the dedicated FireWire (IEEE1394) cable while your computer is in sleep mode could prevent the computer from waking up correctly. Refer to the computer User's Manual for more information on sleep mode.



When the camera is connected to a computer, you should use the DC Coupler Kit.

Preparation for Downloading Images

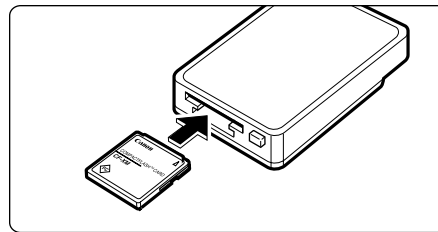
Using Your Card Reader

Users with a third-party card reader can download images directly from a memory card to the computer.

1 Remove the memory card from the camera.

2 Load the card into the card reader.

- Proceed to Chapter 3.



For information on connecting the card reader to your computer, refer to the card reader User's Manual.

Working with Images in EOS Viewer Utility



This chapter explains how to use EOS Viewer Utility to download images to your computer, edit and save images, and transfer the downloaded images to the retouching software.

For more information on the restrictions of EOS Viewer Utility, refer also to the source listed below.

ReadMe: Double-click the [Canon Utilities] folder ► the [EOS Viewer Utility] folder ► [ReadMe].

M

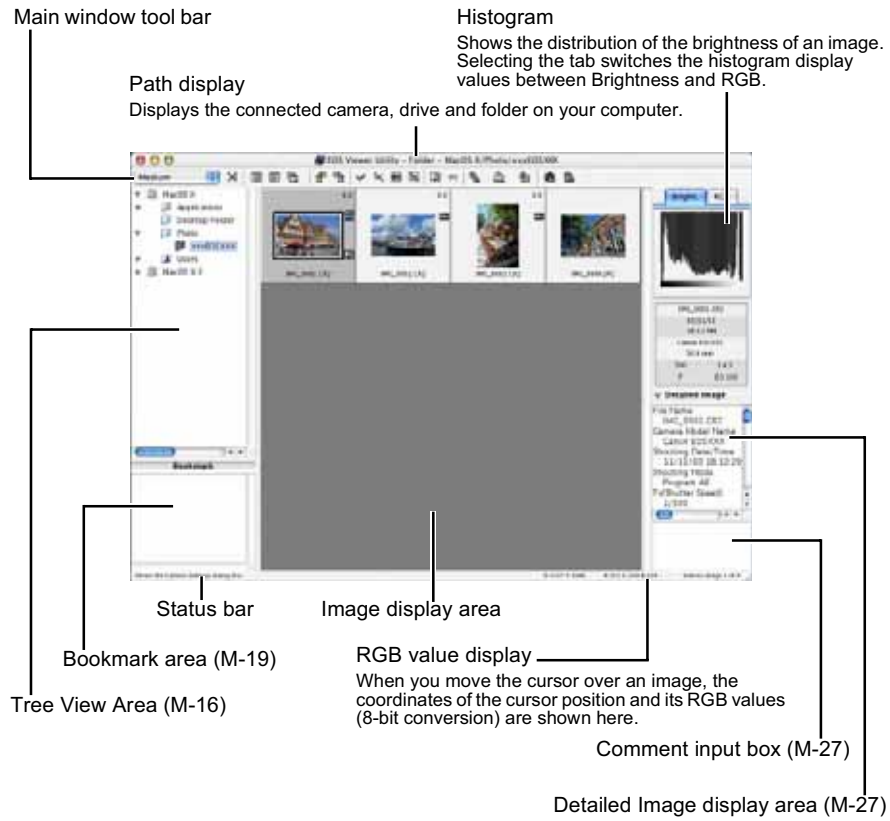
3

Starting EOS Viewer Utility	M-12	Printing Images.....	M-28
Downloading Images.....	M-16	Editing RAW Images	M-29
Handling the Folders	M-18	Processing RAW Images.....	M-29
Memory Card Folder Structure and File		Specifying the Processing Parameters..	M-30
Names	M-18	Adjusting the Brightness (Digital	
Registering Frequent Use Folder ...	M-19	Exposure Compensation)	M-31
Selecting the Image Display Mode..	M-20	Adjusting the White Balance.....	M-32
Main Window (Thumbnail Display)...	M-20	Saving the White Balance.....	M-36
Preview Window Display.....	M-20	Adjusting the Color and Brightness	
Selecting the Display Size	M-22	(Adjust Tone Curve).....	M-37
Checking the AF Point	M-22	Selecting the Contrast	M-40
Selecting Images	M-23	Selecting the Color Matrix.....	M-41
Selecting Images in the Main Window..	M-23	Adjusting the Color	M-43
Selecting Images in the Preview Window..	M-23	Selecting the Sharpness.....	M-44
Attaching Check Marks to Images...M-24		Saving Images	M-45
Selecting Images by Condition ...	M-24	Transferring Images to Retouching	
Bringing/Sending the Main Window to		Software	M-48
the Front/Back of Window Stack..	M-25	Specifying the Preferences	M-50
Equalizing the Display Sizes of the		Setting the IPTC Information	M-51
Preview Window	M-25	Merging Images with PhotoStitch ...	M-54
Editing Images	M-26		
Protecting Images	M-26		
Rotating Images.....	M-26		
Deleting Images	M-27		
Checking the Image Information and			
Entering Comments	M-27		
Playing Back Sound	M-28		

Starting EOS Viewer Utility

- 1** Connect the camera to your computer (M-8).
- 2** Double-click the [Canon EOS Viewer Utility] icon on the desktop.
 - The main window appears.
 - You can also start EOS Viewer Utility by double-clicking the [Canon Utilities] folder ► the [EOS Viewer Utility] folder ► the [EOS Viewer Utility] icon.

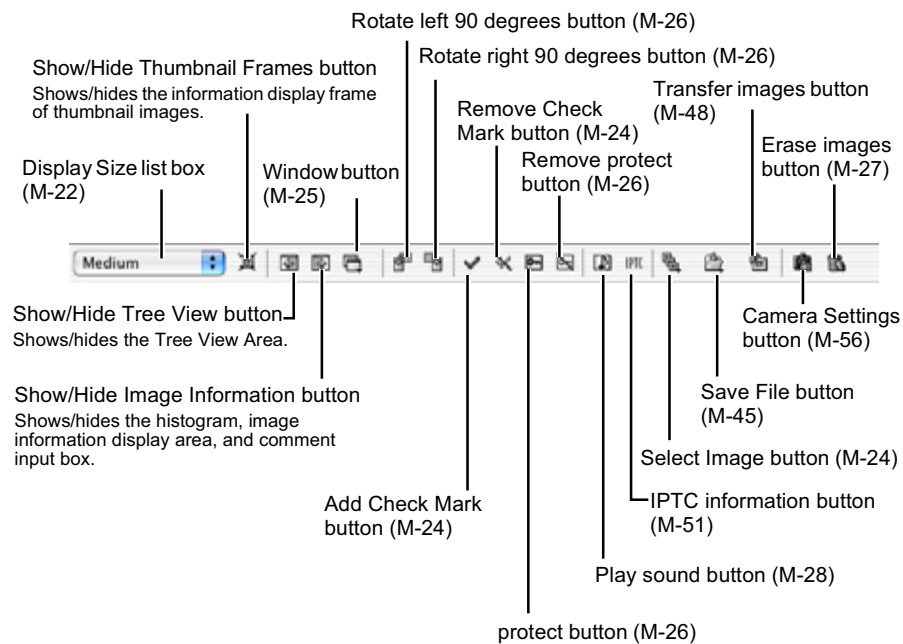
Main window



* The above window shows all the information at once. In actual use, only the information needed is displayed.

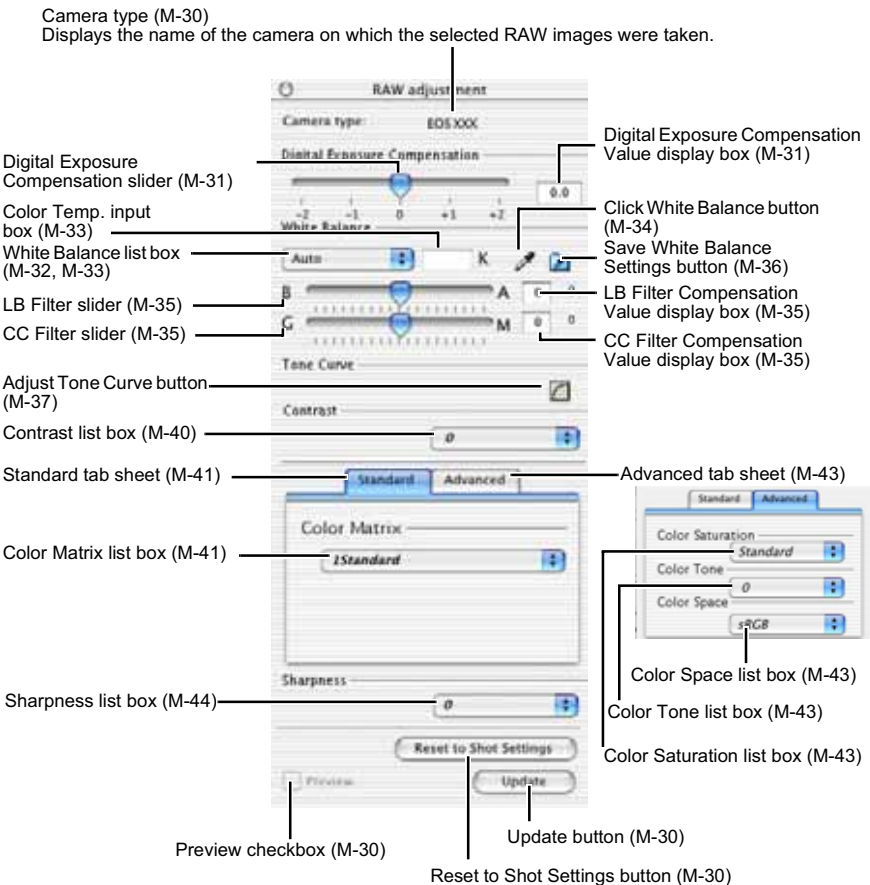
- For OS X, to quit EOS Viewer Utility, select the [EOS Viewer Utility] menu ► [Quit EOS Viewer Utility].
- For OS 9, to quit EOS Viewer Utility, select the [File] menu ► [Quit].

Main window tool bar



* The above window shows all the information at once. In actual use, only the information needed is displayed.

RAW adjustment tool palette



- When you select a RAW image, the name of the camera on which the selected RAW image was taken and its settable processing parameters are displayed.
- If you select the [Advanced] tab, the [Advanced] tab sheet appears.
- * The above tool palette shows all the information at once. In actual use, only the information needed is displayed.



In the RAW adjustment tool palette you cannot edit JPEG images, or TIFF and JPEG images that were converted from RAW images with EOS Viewer Utility.



- The settings used when shots were taken are listed in italic type in the list box.
- If the RAW adjustment tool palette is hidden, select the [View] menu ► [Tool palette] to show it.

M

3

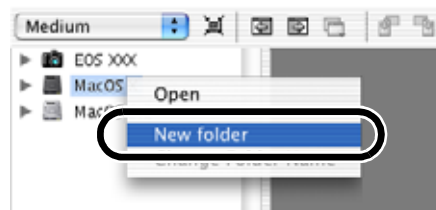
Working with Images in EOS Viewer Utility

Downloading Images

The procedure below describes how to download (copy) the images saved on a memory card in the camera to your computer, and display them on the main window. You can download images in the Tree View Area.

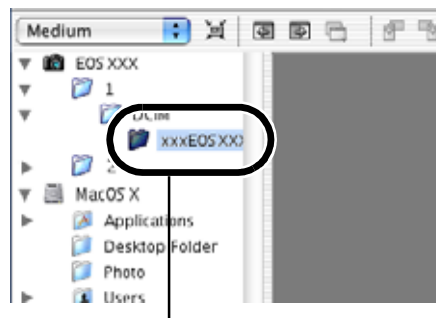
1 Create a folder to which images will be downloaded.

- From the menu that is displayed by clicking on the destination folder while pressing the <control> key, select [New folder] to create a folder and enter a name for the folder. (Enter [Photo] in the folder name field here as an example.)



2 Display a folder to be copied.

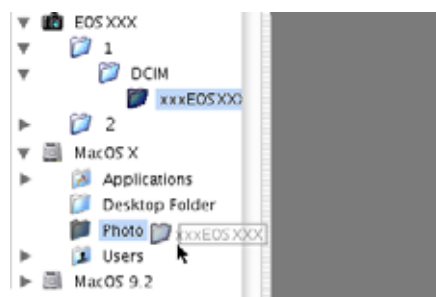
- Double-click the camera icon ► the [1] folder (CF card) or the [2] folder (SD card) ► the [DCIM] folder.
- The [xxxEOSXXX] folder is displayed.



xxx: A number between 100 and 999 is displayed.
XXX: The camera model connected to your computer is displayed.

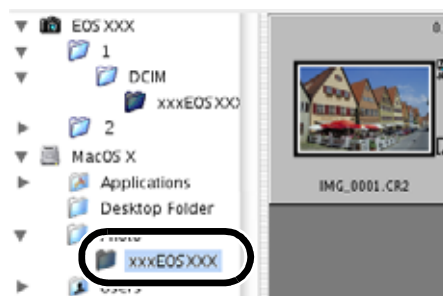
3 Copy the folder to the hard disk.

- Drag and drop the [xxxEOSXXX] folder to the destination folder.
- The [xxxEOSXXX] folder is saved on your computer.



4 Click the copied folder.

- The images in the folder are displayed.
- Before disconnecting the camera from the computer, quit EOS Viewer Utility, set the camera's power switch to <OFF>, and then disconnect the dedicated cable.



M

- You cannot display images in the preview window (M-20) or edit RAW images (M-29) saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.
- For displaying images saved in a third-party card reader, follow the same procedure to download the target folder to your computer.

3

Supported Image Formats

The following images can be displayed in EOS Viewer Utility.

- RAW and JPEG images shot on an EOS DIGITAL series (1D Mark II, 1Ds, 1D, 10D, D60, D30, DIGITAL REBEL/300D DIGITAL) camera
- TIFF and JPEG images saved in EOS Viewer Utility (M-45)
- DCF-compliant JPEG images

* Images that cannot be displayed appear as a question mark [?].

- The images that are processed on your computer after being shot or the images whose file name is changed may not be displayed properly.
- You cannot use the camera while displaying images on the camera.

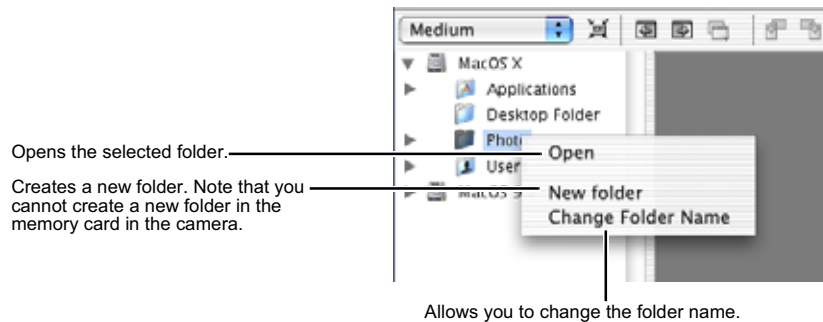
- Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
- If the selected folder contains a large number of images, there may be a short delay before the images appear.

Working with Images in EOS Viewer Utility

Handling the Folders

You can handle the folder on the menu that appears by clicking on the folder while holding down the <control> key.

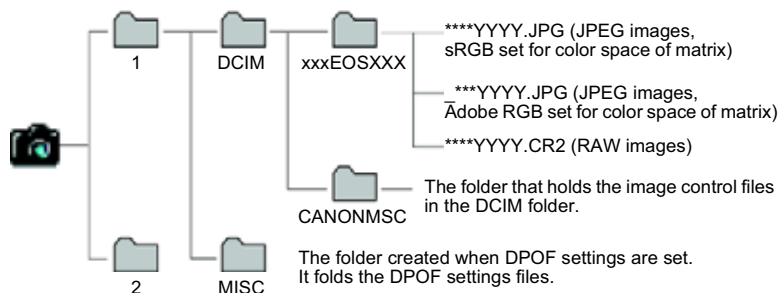
Click on the folder while holding down the <control> key, and then select an option from the menu that appears.



You can drag and drop folders from the Tree View Area to the other folders.

Memory Card Folder Structure and File Names

The images are placed in the camera icon ► the [1] folder (CF card) or the [2] folder (SD card) ► the [DCIM] folder ► the [xxxEOSXXX] folder. ("xxx" represents a number between 100 and 999, and "EOSXXX" represents the camera model on which shots were taken.)



- The "****" in the file names represent the factory-set characters that are unique to each camera.
- The "YYYY" in file names represents four-digit numbers.

For JPEG images that were shot with Adobe RGB setting, the first character shows " _ " (under bar) according to Exif 2.21 regulations.

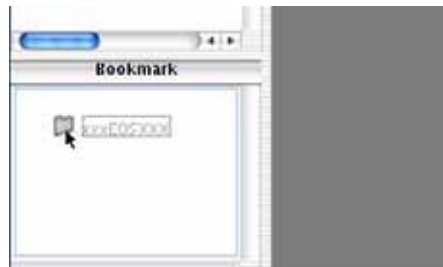
Registering Frequent Use Folder

You can register frequent use folders as bookmark folders.

1 Display a folder to be registered (M-16).

2 Register a folder as a bookmark folder.

- Drag and drop the folder to be registered as shown on the right.
- The folder icon appears in the Bookmark area when it is registered.
- To delete the registered folder, click the folder while holding down the <control> key and select [Delete] from the menu that appears.



M

3

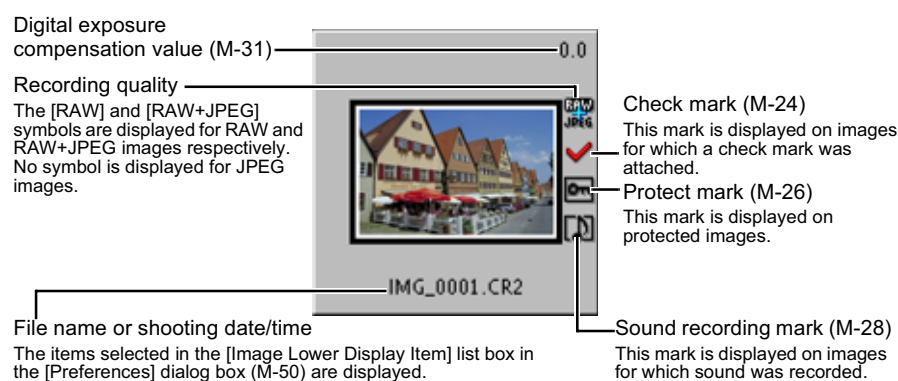


- You can also reorder the folders in the Bookmark area by dragging and dropping them.
- When you delete the registered folder, it just disappears from the Bookmark area. The actual data of the folder and the images in that folder will not be deleted.

You can select the display size and method of images.

Main Window (Thumbnail Display)

Various information can be displayed with images.



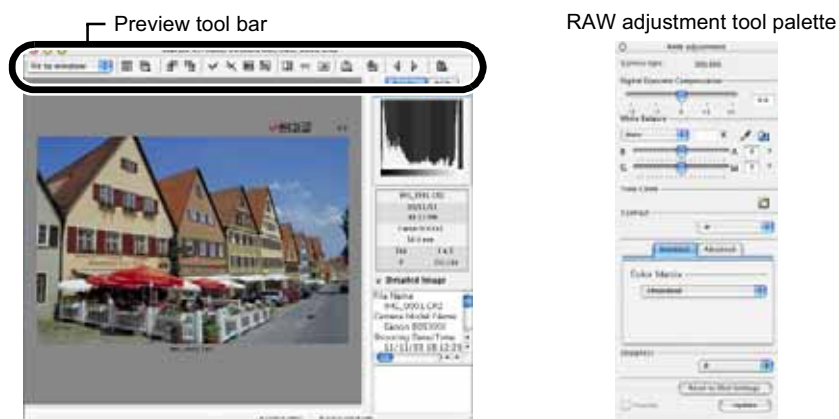
Preview Window Display

Double-clicking an image displayed on the main window can enlarge the image.

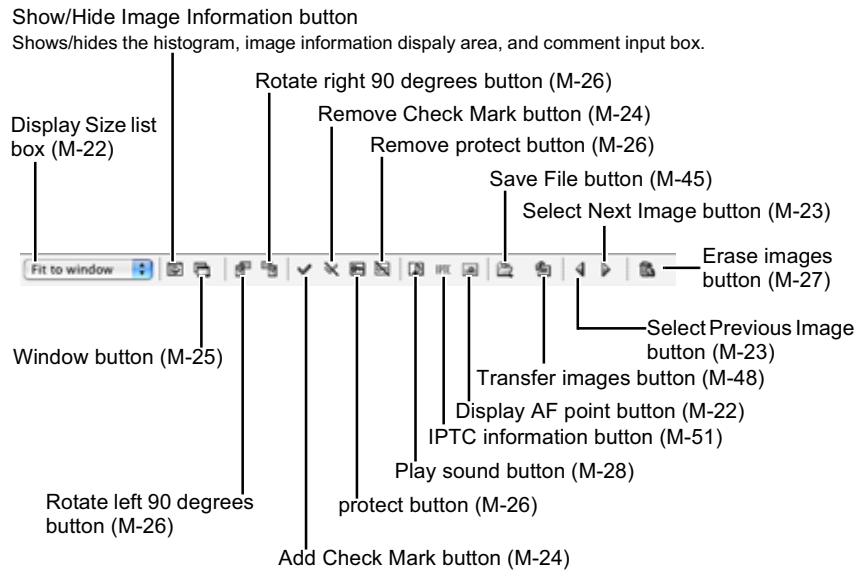
When you change the processing parameters of RAW images, use this window.

- Up to six images can be displayed in the preview window at a time.
- A low resolution image is displayed first in the preview window, and then it changes to a high resolution image.

Preview window



Preview tool bar



* The above window shows all the information at once. In actual use, only the information needed is displayed.



You cannot display images in the preview window or edit RAW images (M-29) saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.



For some images, it may take some time to change to the high resolution image.

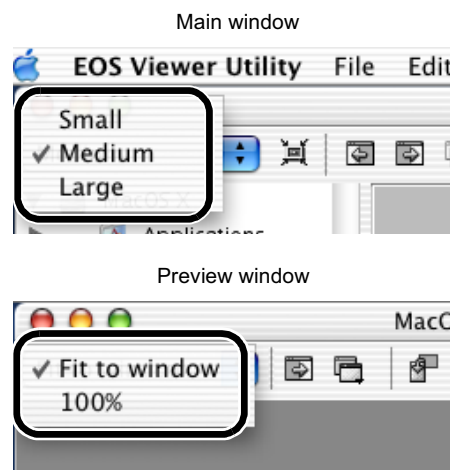
M

3

Selecting the Display Size

Select a display size from the list box.

- In the main window, the available image sizes are [Small] (64 × 64 pixels), [Medium] (100 × 100 pixels), and [Large] (160 × 160 pixels).
- In the preview window, the available image sizes are [Fit to window] and [100%].
- When you select [100%], you can change the display position by dragging the image.



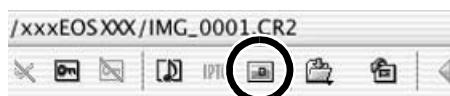
Checking the AF Point


The AF point used when the shot was taken can be displayed.

1 Display the image in the preview window (M-20).

2 Click the [Display AF point] button.

- The AF point is displayed.
- Clicking the button again hides the AF point.



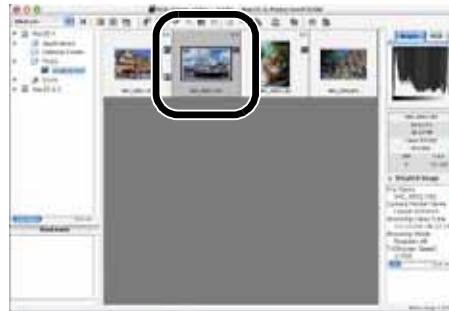
 When the shot was taken with automatic AF point selection, multiple active AF points might be displayed.


Selecting Images

Selecting Images in the Main Window

Click the target image.

- The frame around the selected image is colored.
- To select multiple images, hold down the <shift> key and click the images.
- To select sequential images, click the first image and then hold down the <option> + <shift> keys and click the last image.



 Alternatively, you can use the arrow keys (↑←→↓) on the keyboard to select images.

Selecting Images in the Preview Window

Click the target image.

- The selected image is displayed on the top window.



- When only one preview window is displayed, you can click the [Select Previous Image] button or the [Select Next Image] button to select the image to be displayed.



M

3

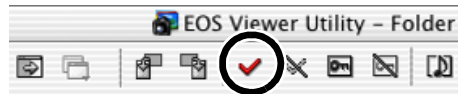
Working with Images in EOS Viewer Utility

Attaching Check Marks to Images

You can attach a check mark to the RAW image, allowing you to select images more easily.


Click the [Add Check Mark] button.


- When the check mark is placed, the [✓] icon appears in the frame of the image.



- Clicking the [Remove Check Mark] button removes the [✓] icon from the frame of the image, and erases the check mark.



 You cannot attach the check mark for any images other than RAW images.

-  ● When multiple RAW images are selected, the check mark is attached to all the selected RAW images.
- Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.

Selecting Images by Condition

This feature allows you to select multiple images in a single operation using conditions.

Click the [Select Image] button and select the condition from the menu that appears.

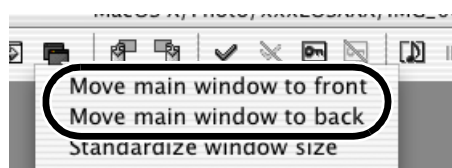
- Only images that meet the condition are selected.



Bringing/Sending the Main Window to the Front/Back of Window Stack

Select [Move main window to front] or [Move main window to back] from the menu that appears by clicking the [Window] button.

- The main window is brought/sent to the front/back of window stack.



M

Equalizing the Display Sizes of the Preview Window

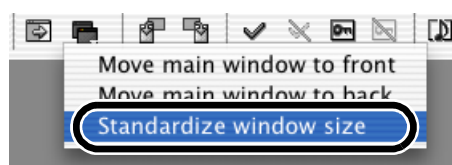
You can set all the preview windows to the same size.

- 1 Select the image whose size is the desired size (M-23).



- 2 Click [Standardize window size] from the menu that appears by clicking the [Window] button.

- All the displayed preview windows are set to the same size as the selected image.




Working with Images in EOS Viewer Utility

3

Editing Images


You can edit all the images that can be displayed in EOS Viewer Utility.


 When multiple images are selected, the edits are applied to all the selected images.

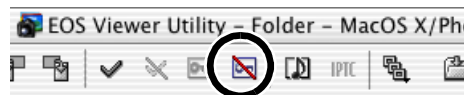
Protecting Images



You can protect important images to prevent them from being accidentally deleted.

Click the [protect] button.

→ When the image is protected, the  icon appears in the frame of the image.

- Clicking the [Remove protect] button removes the  icon from the frame of the image, and clears the protection.



- 
- The  is automatically displayed for images that were protected on the camera.
 - Protection only prevents images from being deleted. Other types of image operations can still be performed for protected images.
 - Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.


Rotating Images

You can rotate a selected image by 90-degree increments left or right.

Click the [Rotate right 90 degrees] or [Rotate left 90 degrees] button.

→ The image rotates 90 degrees in the selected direction.



- 
- Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
 - If a rotated image is displayed in another application, the image may not appear rotated.
 - Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.

Deleting Images

You can move unnecessary images to the Trash on your computer and delete them.

1 Click the [Erase images] button.

- The images are moved to the Trash.



2 Select the [Finder] menu on the desktop ► [Empty Trash].

- For OS 9, select the [Special] menu ► [Empty Trash].
- The images are deleted.



- Images that you deleted by selecting [Empty Trash] in step 2 cannot be restored. Check carefully before deleting images.
- Protect important images (M-26) to prevent them from being accidentally deleted.



Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.

Checking the Image Information and Entering Comments

You can check the information recorded with images and input comments.

Image information display area

- The shooting information is displayed.
- The number of items displayed differs depending on the camera settings.
- You can copy the information as text data and paste it into another application.
- Clicking the [▼] button can hide the detailed image information display area.



Comment input box

You can use this box to type in a comment up to 120 characters long. Type in your comment and press the <return> key.



You cannot insert a hard return in the comment input box.



When multiple images are selected, the information from the image selected last is displayed.

M

3

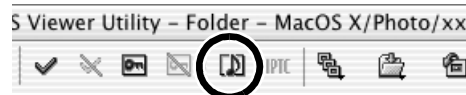
Working with Images in EOS Viewer Utility

Playing Back Sound

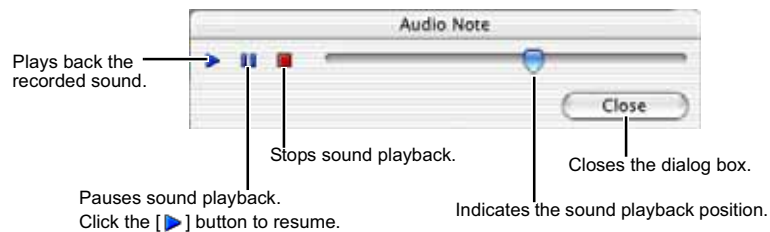
The sound recording mark is displayed for images for which sound was recorded.

1 Select an image with displayed, and click the [Play sound] button.

→ The [Audio Note] dialog box appears.



2 Adjust the sound with the buttons and slider.



Printing Images

You can use EOS Viewer Utility to print images in index format.

1 Select images to be printed in index format (M-23).

2 Select the [File] menu ► [Print Index].

→ The Printer Setup dialog box appears.

3 Select the printer to be used, specify the print settings and print images.

Editing RAW Images

You can specify the processing parameters for RAW images so that the RAW images are optimized for their intended purpose.

Processing RAW Images

RAW images are processed based on the settings specified on the camera (including the processing parameters and white balance) and then displayed on the computer.

- When the following operations are performed, RAW images are processed and displayed:
 - When the preview window is switched from the main window
 - When the processing parameters are specified on the preview or main window
 - When the image is converted to the TIFF or JPEG format and saved
 - When the image is transferred to the specified retouching softwareWhen the images are processed, it takes a while to display them.

- Approximate processing times

Operation Details	Processing Time
When the preview window is switched from the main window	Approx. 14 sec.
When the image is transferred to the specified retouching software	Approx. 90 sec.

- **The processing times given here are only approximations. Actual processing times vary widely depending on the images and the computer system.**
- Processing times are based on Canon testing standards.
(OS: OS X (10.2); CPU: Power PC G4 700 MHz; RAM: 256 MB)
- The processing time in the retouching software includes starting up time of the retouching software (when using Adobe Photoshop 7.0).

- You cannot display images in the preview window (M-20) or edit RAW images saved on a memory card in the camera directly. Before working images with EOS Viewer Utility, be sure to download images saved on a memory card to your computer.

M

3

Working with Images in EOS Viewer Utility

Specifying the Processing Parameters

You can specify the processing parameters in the RAW adjustment tool palette.

- This processing applies the specified parameters virtually and does not affect the original RAW images in any way. Consequently, you can redo the processing as often as you like with different parameters and then reset the modified parameters to the settings used when the shot was taken.
- Linear processing can be specified when an image is saved or is transferred to retouching software (M-46, M-49).

1 Display the RAW image in the preview window (M-20).

- If the RAW adjustment tool palette is hidden, select the [View] menu ► [Tool palette] to show it.

2 Specify the processing parameters (M-31 to M-44).

- Clicking the [Reset to Shot Settings] button restores the settings to the values used when the shot was taken.
- If you click the [Preview] checkbox, the specified processing parameters are applied to the RAW images in real time.

3 Click the [Update] button.

- The RAW images are processed according to the specified processing parameters.
- The specified processing parameters are automatically saved in images.



- When multiple images are selected, the specified processing parameters are applied to all the selected RAW images.
- If you have specified processing parameters in the main window, even though you do not select the [Preview] checkbox, the specified processing parameters are applied to the images in real time.

Adjusting the Brightness (Digital Exposure Compensation)

You can adjust the brightness of an image in the range of ± 2 stops in 0.1-stop increments.

Drag the slider left or right to adjust the brightness.

- The adjusted value is specified in the RAW adjustment tool palette.



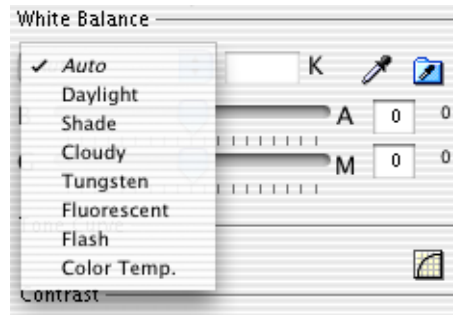
Adjusting the White Balance

You can adjust the white balance in the images. You can then save white balance data on your computer (M-36) and register them on the camera (M-82).

Selecting the White Balance

You can select the white balance that is the closest to the light source when shots were taken.

Select the white balance from the list box.



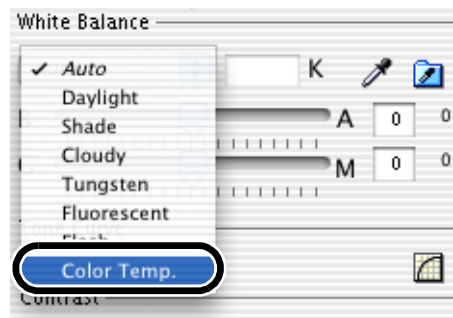
White Balance	Details	Color Temp. K (Kelvin)
Auto	Automatically adjusts the white balance.	Approx. 3000 to 7000
Daylight	For sunny daylight outdoors.	Approx. 5200
Shade	For shaded areas outdoors.	Approx. 7000
Cloudy	For cloudy or hazy days and during sunset.	Approx. 6000
Tungsten	For tungsten (light bulb) light.	Approx. 3200
Fluorescent	For fluorescent light.	Approx. 4000
Flash	When flash is used.	Approx. 6000
Color Temp.	You can manually set color temperature for 2800 to 10000K (in 100K increments) (M-33).	Approx. 2800 to 10000

→ The selected white balance is specified in the RAW adjustment tool palette.

Specifying the Color Temperature

You can specify the color temperature to adjust the white balance.

1 Select [Color Temp.] from the list box.



2 Enter a color temperature.

- Enter the color temperature in the [Color Temp.] input box in the range of 2800K to 10000K (in 100K increments).
- The entered color temperature is specified in the RAW adjustment tool palette.



M



3

Working with Images in EOS Viewer Utility

Click White Balance Function

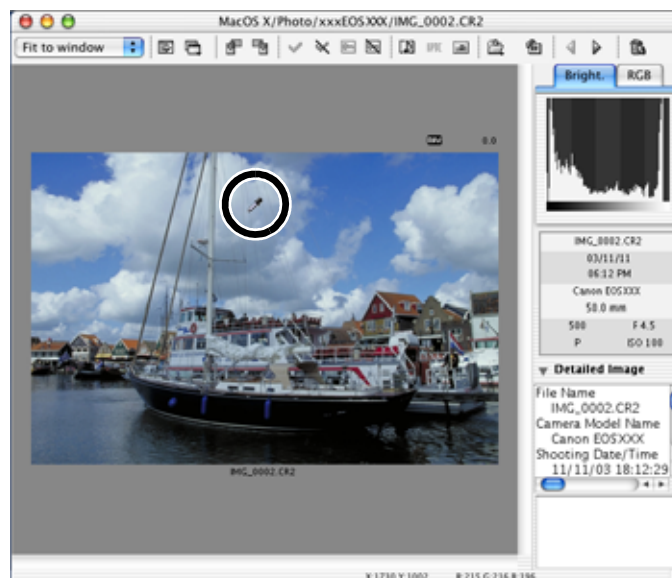
You can automatically adjust the white balance simply by clicking a point in a white part of the image.

1 Click the [Click White Balance] button.

→ When you move the cursor over the image, the cursor [] changes to [].



2 Click a point in a white part of the image.



- The white balance is adjusted so that the point clicked appears white.
- If you click on another point over the image, the white balance is adjusted again.
- To quit the click white balance, click the [Click White Balance] button.



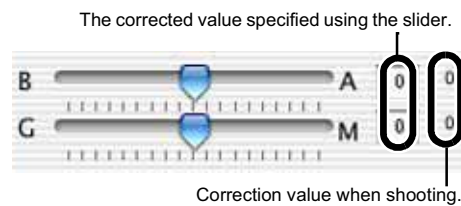
- When you use Click White Balance Function, even though you do not select the [Preview] checkbox, the adjusted white balance is applied to the images in real time.
- When you use Click White Balance Function, [White Point] is displayed in the [White Balance] list box.

Correcting the White Balance

You can correct the standard color temperature of the white balance. By using this function, you can obtain the effectiveness similar to the color temperature converting filter or color compensating filter (third-party product). The range of compensation is 9 levels for each color.

- This function is especially useful for users who understand the role and effect of the color temperature converting filter or color compensating filter.

Drag the slider left and right to adjust the white balance.



[LB Filter] slider:

Equates to the LB (Light Balancing) filter for color temperature conversion. Dragging the slider toward B-side adds blue hue, and toward A-side, amber hue.

[CC Filter] slider:

Equates to the CC (Color Compensation) filter for color correction. Dragging the slider toward G-side adds green hue, and toward M-side, magenta hue.

→ The corrected value is specified in the RAW adjustment tool palette.



One level of blue/amber hue is equal to five mireds of the color temperature converting filter. (Mired: the unit of the density of the color temperature converting filter)

M

3

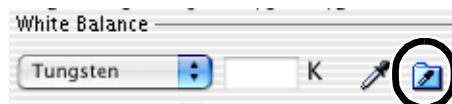
Working with Images in EOS Viewer Utility

Saving the White Balance

You can save the adjusted white balance data on your computer and then register them on the camera as the personal white balance settings (M-82).

1 Adjust the white balance (M-32 to M-35).

2 Click the [Save White Balance Settings] button.
→ The [Save] dialog box appears.



3 Select the destination folder, enter the file name, and then click the [Save] button.
→ The white balance data is saved.



Windows/Macintosh compatibility for white balance data

White balance data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

Adjusting the Color and Brightness (Adjust Tone Curve)

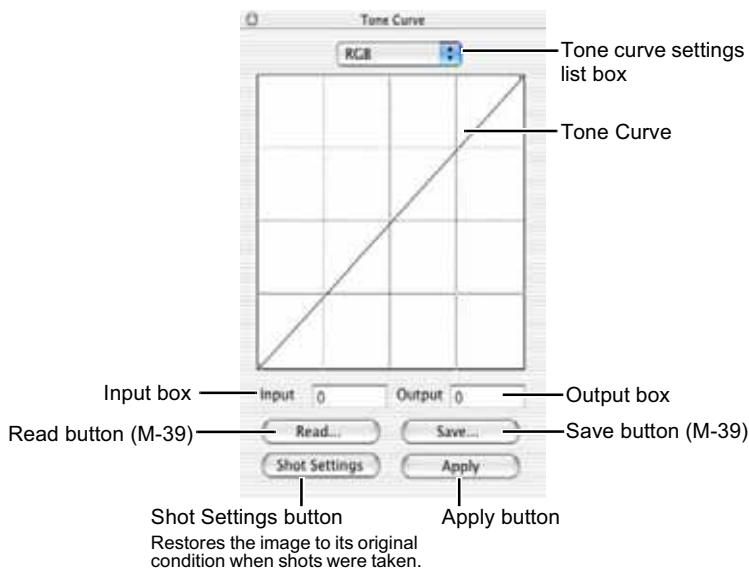
You can use the tone curve to adjust the colors and brightness. You can then save the adjusted tone curve on your computer (M-39) and register it on the camera (M-80).

1 Click the [Adjust Tone Curve] button.

→ The [Tone Curve] dialog box appears.



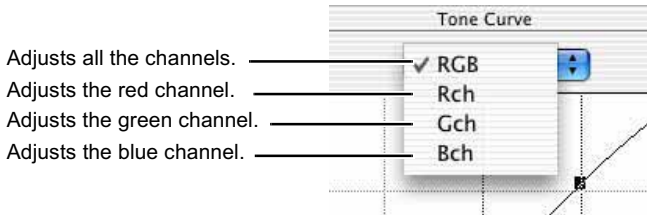
M








3

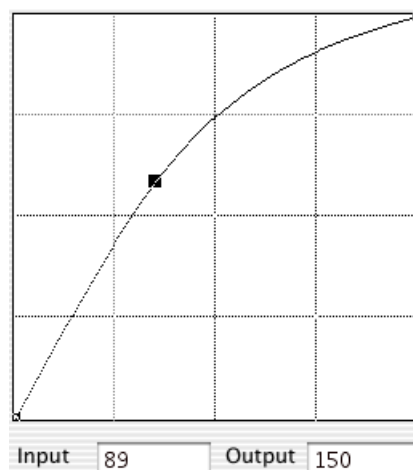
Working with Images in EOS Viewer Utility

2 Select the channel from the list box.



3 Adjust the tone curve.

- Click the tone curve to show  and drag it to a desired location.
Horizontal axis: Input level
Vertical axis: Output level
- To delete , select  and then press the <delete> key on the keyboard.
- Up to four of  can be shown.
- Alternatively, you can adjust the tone curve by selecting  on the tone curve and entering values directly into the [Input] / [Output] box.



4 Click the [Update] button on the RAW adjustment tool palette.

- The adjusted tone curve is applied to the image.
- While checking the adjusted tone curve, repeat steps 2 and 4 to make further adjustments.



5 Click the [Apply] button.

- The [Tone Curve] dialog box closes.



Windows/Macintosh compatibility for tone curve data

Tone curve data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

Saving the Tone Curve

You can save the adjusted tone curve.

1 Adjust the tone curve (M-37).

2 Click the [Save] button.

→ The [Save] dialog box appears.



M

3 Select the destination folder, enter the file name, and then click the [Save] button.

→ The tone curve is saved.

Loading the Tone Curve

You can apply the saved tone curve to other images.

1 Click the [Read] button.

→ The [Choose a File] dialog box appears.



2 Open the folder that containing the tone curve, select the file, and then click the [Choose] button.

→ The tone curve is loaded.

3 Click the [Update] button on the RAW adjustment tool palette.

→ The tone curve is applied to the image.

3

Working with Images in EOS Viewer Utility

Tone Curve

A tone curve shows the brightness and color saturation for the original image (input) and the adjusted image (output) in the form of a line graph. You can use the tone curve to adjust the image brightness and color saturation values that were set by the camera automatically when the shot was taken.

The tone curve adjustment options include [RGB], which adjusts the input and output for the entire image in a single operation, as well as the [Rch], [Gch] and [Bch] settings that adjust each color individually. You can use the [Tone curve settings] list box to switch between the different channels as you make your adjustments.

The horizontal axis shows the brightness and color saturation for the unadjusted (input) image, with the left-hand end indicating shadow (darker areas of the image) and the right-hand end indicating highlights (brighter areas of the image).

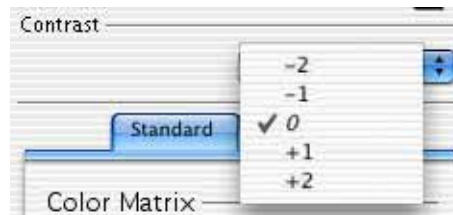
The vertical axis shows the brightness and color saturation for the adjusted (output) image, with the lower end indicating shadow and the upper end indicating highlights.

Selecting the Contrast

You can adjust the contrast of an image.

Select a setting from the list box.

- The selected setting is specified in the RAW adjustment tool palette.



Selecting the Color Matrix

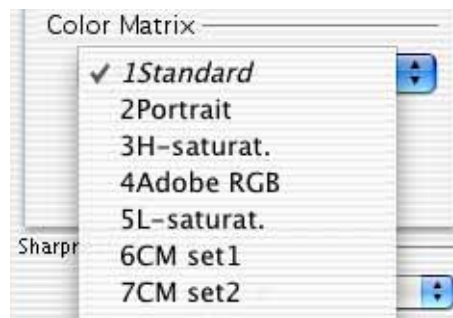
Use the procedure below to select the film-equivalent hue, chroma and color range (the range of colors that can be reproduced).

1 Click the [Standard] tab.

→ The [Standard] tab sheet appears.



2 Select the color matrix from the list box.

**M****3**

Working with Images in EOS Viewer Utility

Color Matrix	Details
1 Standard	Reproduces the natural color saturation and tones. Effective for reproducing the subject's natural color tones.
2 Portrait	Reproduces the color tones suited to portraits. Effective for reproducing beautifully natural skin tones.
3 H-saturat.	Reproduces the color saturation similar to that in high-chroma color slide film. Effective for reproducing clear and vivid color tones.
4 Adobe RGB	Processes images so that the color space is compatible with Adobe RGB. Mainly used for printing for business purpose. Not recommended for users who do not have a knowledge of image processing and Adobe RGB DCF 2.0 (Exif 2.21). With a printer that does not support the sRGB computer environments or DCF 2.0 (Exif 2.21), the images are printed with moderate color tone. So, you need to process the images after shooting.
5 L-saturat.	Reproduces low color saturation. Effective for making color tone moderate.

→ The selected color matrix is specified in the RAW adjustment tool palette.

Settings of Color Matrix

Color Matrix	Color Space	Color Saturation	Color Tone
1 Standard	sRGB	Standard	0
2 Portrait	sRGB	Standard	-2
3 H-saturat.	sRGB	Dark	0
4 Adobe RGB	Adobe RGB	Standard	0
5 L-saturat.	sRGB	Dark	0



You can attach the ICC profile to the image (M-45).

Adjusting the Color

Use the procedure below to specify the color saturation, color tone, and color space for the image.

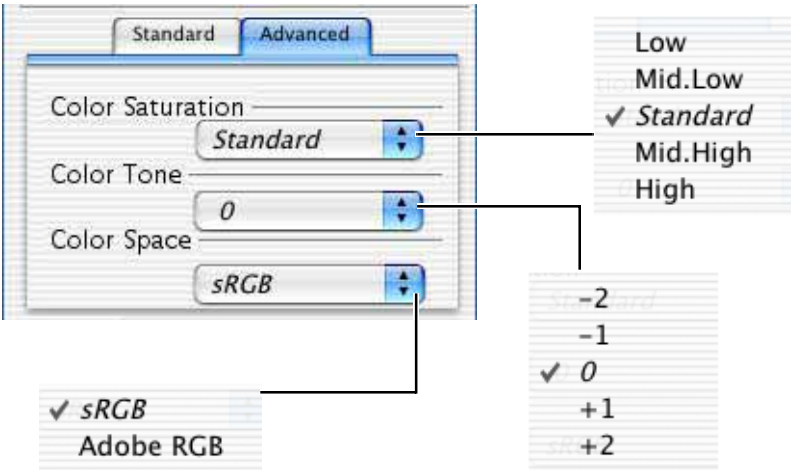
1 Click the [Advanced] tab.

→ The [Advanced] tab sheet appears.



M

2 Select the settings from the list boxes.



3

Working with Images in EOS Viewer Utility

[-2] strongly adjusts the colors so that skin tones appear redder while [-1] makes the same adjustment less strongly. [0] applies the standard color matching adjustment. [+2] strongly adjusts the colors so that skin tones appear yellower while [+1] makes the same adjustment less strongly.

→ The selected setting is specified in the RAW adjustment tool palette.

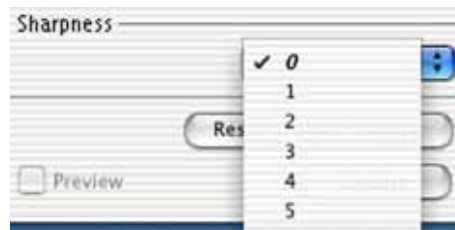
Selecting a negative value for [Color Tone] makes the color tone reddish, and a positive value, yellowish.

Selecting the Sharpness

You can adjust the edge sharpness of an image.

Select an adjustment value from the list box.

- Higher values give higher levels of edge sharpening.
- The selected adjustment value is specified in the RAW adjustment tool palette.



Saving Images

You can convert and save RAW images to TIFF or JPEG images, and save JPEG images as another name. When you convert RAW images to the TIFF format and save them, the specified color space data (M-41 to M-43) is attached to each of images as the ICC profile automatically. ICC stands for International Color Consortium.

1 Select images to be saved (M-23).

2 Click the [Save File] button and select [Convert and save in file] from the menu that appears.

→ The [Save File] dialog box appears.



3 Specify the settings and click the [OK] button.

→ The images are saved in the selected folder.



Restores the settings to their original ones and closes the [Save File] dialog box.

Applies the settings and saves the image.



When you convert RAW images to the TIFF images and save them, the ICC profile is attached to each of images automatically.

When you wish to display the images with the ICC profile attached in the retouching software, it is recommended that you should use the software that supports the ICC profile reproducing more faithful colors.

M

3

Working with Images in EOS Viewer Utility

Saving Images

The image is saved as a new image in the same folder as the selected image.



Allows you to specify the folder in which the image will be saved.

When the [Save in following specified folder] radio button has been selected, this button allows you to specify the folder in which the image will be saved. The name of the destination folder is displayed next to the [Browse] button.

Select a setting for [Quality] (compression ratio) when you have selected [JPEG] from the list box, from [4 (Highest image quality)] through [1 (High compression ratio)]. Higher values give higher quality of the JPEG image.



If you click this checkbox, the JPEG images that were taken in the RAW+JPEG format are also to be saved.

Specify the resolution for saving images in a range of 10 to 2000 pixels/inch.

If some of the images to be saved are RAW images, select [Do not convert], [JPEG], or [TIFF] for the conversion format. If you select [TIFF], you can select the number of bits used when you save images, from [8bit/ch], [16bit/ch] and [16bit/ch linear]. If you select [JPEG], the images are saved in the [8bit/ch] format. The extensions used for the saved files are shown below.

Conversion Format	Extension
Do not convert	.CR2
JPEG (8bit/cn)	.JPG
TIFF (8bit/cn)	.TIF
TIFF (16bit/ch, 16bit/ch linear)	.TIF

Click this checkbox when you want to save the image without changing the name.

When the image files to be saved include images with sound, this option can save the sound files with the respective images.

Enter the number of digits in the sequential number that attaches to the file and the starting number used. A maximum of 9 digits can be specified.

This is text inserted before the file number. You can enter up to 12 characters. When you enter text, an example appears in the [Example] field below the text box.

Click this checkbox when saving the file after converting a RAW image to a JPEG image or TIFF image adds one of the following at the end of the file name.

Conversion Format	File Name
JPEG	RJ
TIFF (8bit/ch)	RT8
TIFF (16bit/ch, 16bit/ch linear)	RT16, RT16L

Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.

M

3

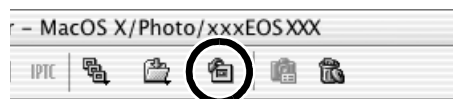
Transferring Images to Retouching Software

You can transfer the images displayed in EOS Viewer Utility to retouching software. The descriptions given here use Adobe Photoshop 7.0, as an example.

- In order to transfer images, you will need retouching software such as Adobe Photoshop.
- Be sure to specify the image transfer settings before transferring images.

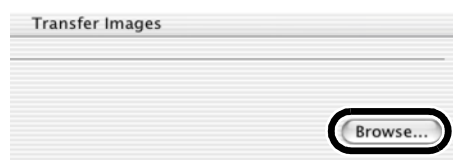
1 Click the [Transfer images] button.

→ The [Transfer Images] dialog box appears.



2 Click the [Browse] button.

→ The [Select application] dialog box appears.



3 Select the retouching software (Photoshop 7.0) to which the image will be transferred.

- Select the drive in which Photoshop 7.0 is installed ► the [Adobe Photoshop 7] folder ► [Adobe Photoshop 7]. Then click the [Choose] button.
- Photoshop is specified and the dialog box closes.



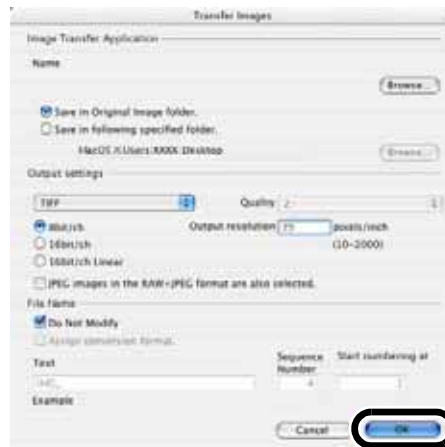
4 Select the radio button and then select a folder in which the images to be transferred will be saved.

The images to be transferred are saved as new images in the same folder.



Click the [Browse] button and then select a folder in which the images to be transferred will be saved.

5 Specify [Output settings] and [File name] and then click the [OK] button.



- See “Saving Images” (M-45) for the procedure for specifying [Output settings] and [File name].
- Photoshop starts up and displays the transferred images.
- The transferred images are saved in the folder that you have selected in step 4.



- It is recommended that you should use the retouching software (third-party product) that supports 16-bit images for the one to be specified for the transfer image function.
- When you convert RAW images to the TIFF format and save them, the specified color space data (M-41 to M-43) is attached to each of the images as the ICC profile automatically.
- Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.

M

3

Working with Images in EOS Viewer Utility

Specifying the Preferences

You can make various settings for transferring images, the information displayed with thumbnail images, and the image resolution for converting RAW images to other formats.

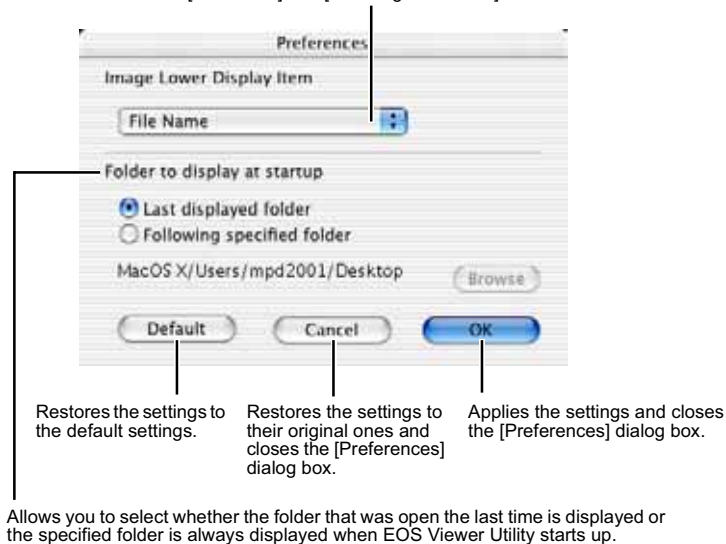
1 Select the [EOS Viewer Utility] menu ► [Preferences].

→ The [Preferences] dialog box appears.

2 Specify the settings and click the [OK] button.

→ The settings are applied and the [Preferences] dialog box closes.

Select the information to be displayed below images, from [File Name] and [Shooting Date/Time].



Setting the IPTC Information

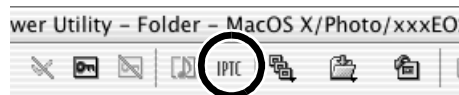
IPTC stands for International Press Telecommunications Council and refers to a standard for communications and information exchange tags attached to images. The standard was established by newspaper and communications companies to allow problem-free transmission of images.

You can attach this IPTC information to JPEG images, or to TIFF and JPEG images that were converted from RAW images and saved with EOS Viewer Utility. You can also save the IPTC information on your computer, and then load the saved information and apply it to other images.

1 Select a JPEG image (M-23).

2 Click the [IPTC information] button.

→ The [IPTC information] dialog box appears.



3 Enter information (M-52, M-53).

- Select any of [IPTC-1], [IPTC-2], or [IPTC-3] tab to display the tab sheet, and enter the information.
- The entered IPTC information can be saved on the dialog box that appears by clicking the [Save As] button.
- The saved IPTC information can be loaded on the dialog box that appears by clicking the [Read] button.

4 Click the [Save] button.

→ The specified IPTC information is applied to the image.

5 Click the [OK] button.

→ The [IPTC information] dialog box closes.

Windows/Macintosh compatibility for IPTC information settings data

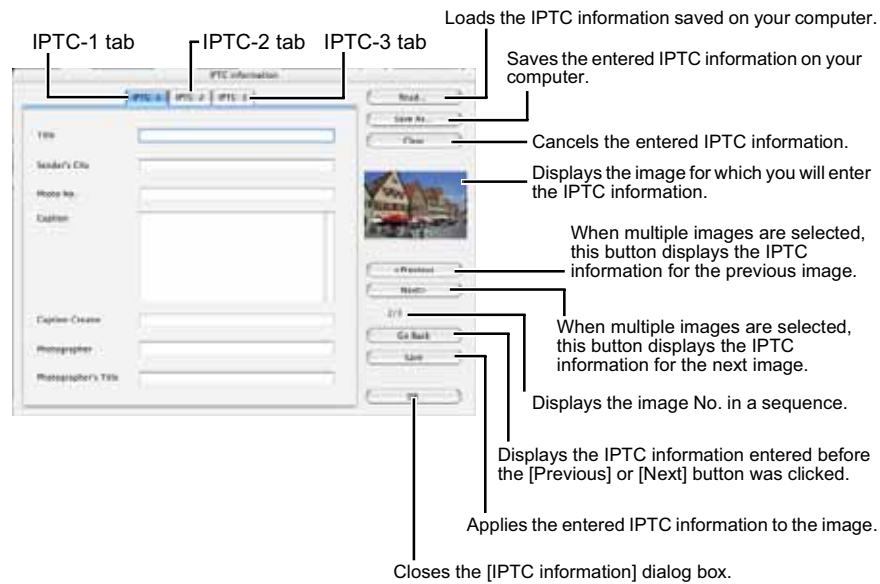
IPTC information settings data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

M

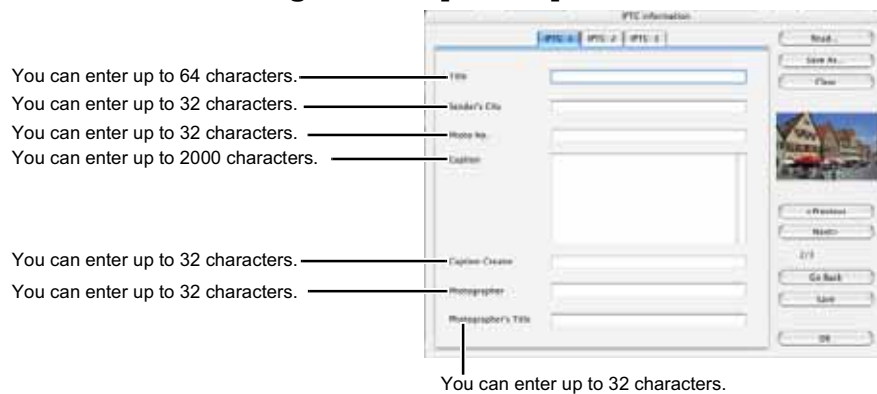
3

Working with Images in EOS Viewer Utility

Setting the IPTC Information



Settings on the [IPTC-1] tab sheet



Settings on the [IPTC-2] tab sheet

You can enter up to 10 characters.

Select [Highest Priority (=1)], [Normal (=5)], or [Low Priority (=8)] from the list box.

You can enter up to 256 characters.

You can enter up to 8 characters.

You can enter up to 11 characters.

You can enter up to 32 characters.



Settings on the [IPTC-3] tab sheet

You can enter up to 3 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.

You can enter up to 256 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.

Merging Images with PhotoStitch

You can merge multiple JPEG images to create a panorama shot.

- 1 Double-click the [Canon Utilities] folder ► the [PhotoStitch] folder ► the [PhotoStitch Launcher] icon.

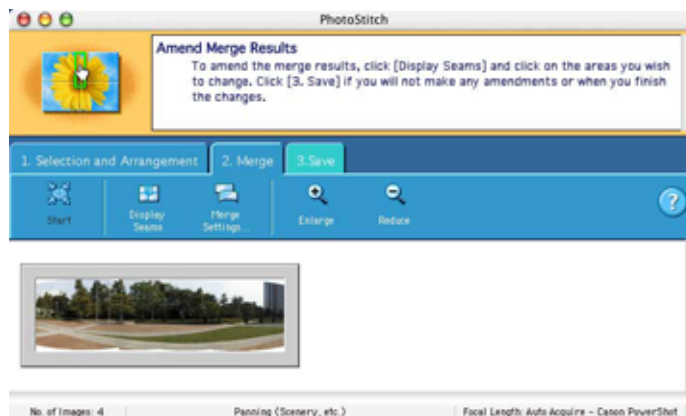
→ [PhotoStitch Launcher] appears.

- 2 Click the [Merge Images] button.



→ PhotoStitch starts up.

- Follow the instructions in the guidance window to merge the images.
- Please refer to the PhotoStitch Help menu for more details.



- You cannot merge RAW images in PhotoStitch.
- Up to four images can be merged using PhotoStitch.

Specifying Camera Settings in EOS Viewer Utility



This chapter describes how to specify the owner's name and date/time, the Personal Functions, the Parameters, and the Personal White Balance in the camera.

M

Specifying the Camera Settings	M-56
Basic Settings	M-57
Personal Function Settings	M-58
Description of Personal Functions	M-62
Checking, Saving, and Loading Personal Function Settings	M-75
Shot Settings	M-77
Specifying the Parameters	M-78
Specifying the Tone Curve	M-80
Specifying the Personal White Balance	M-82
Specifying the Color Matrix	M-84
Specifying the JPEG Quality	M-86

4

Specifying the Camera Settings

You can specify the owner's name and date/time, the personal functions, the processing parameters, and the personal white balance, etc. in the camera.

1 Connect the camera to your computer (M-8).

2 Start up EOS Viewer Utility (M-12).

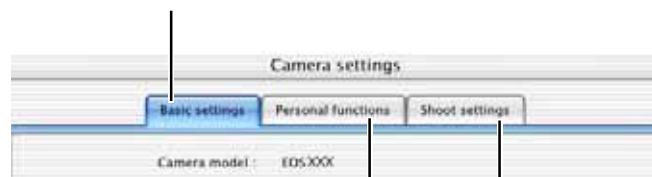
3 Click the [Camera Settings] button.

→ The [Camera settings] dialog box appears.



4 Select a tab and specify the camera settings.

You can specify owner's name and shooting date/time on the camera, and check the camera properties data and the status of the battery and the memory card (M-57).



Sets up to 26 Personal Functions and applies the settings to the camera (M-58).

Specifies parameters (M-78), tone curve (M-80), personal white balance (M-82), color matrix (M-84), and JPEG quality (M-86) on the camera.

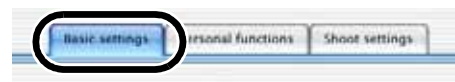
Basic Settings

You can specify the owner's name and date/time in the camera, and check the properties of a memory card (CF card, SD card) in the camera.

1 Display the [Camera settings] dialog box (M-56).

2 Select the [Basic settings] tab.

→ The [Basic settings] tab sheet appears.



M

3 Specify the basic settings.

Enter the name of a camera owner. You can enter up to 31 characters.

Enter a value or click the [▲]/[▼] buttons to specify the date and time.

The battery level of the camera is indicated by [] or []. When you are using the DC Coupler Kit, [] is displayed.

This box shows the camera model, body ID (serial number) and firmware version.

Imports the date and time from your computer.

This box shows whether a memory card is loaded in the camera along with the available space on the card and its total capacity.

Applies the settings that you have specified in the [Basic settings] tab sheet to the camera.

Applies the settings that you have specified in all the tab sheets to the camera and closes the [Camera settings] dialog box.

Restores the parameters to their original ones and closes the [Camera settings] dialog box.

4

4 Click the [OK] button.

→ The settings are applied and the [Camera settings] dialog box closes.

Specifying Camera Settings in EOS Viewer Utility

Personal Function Settings

You can set up to 26 Personal Functions tailored to different types of photography and apply those function settings to the camera. You can also save the specified settings on your computer and load the saved settings.

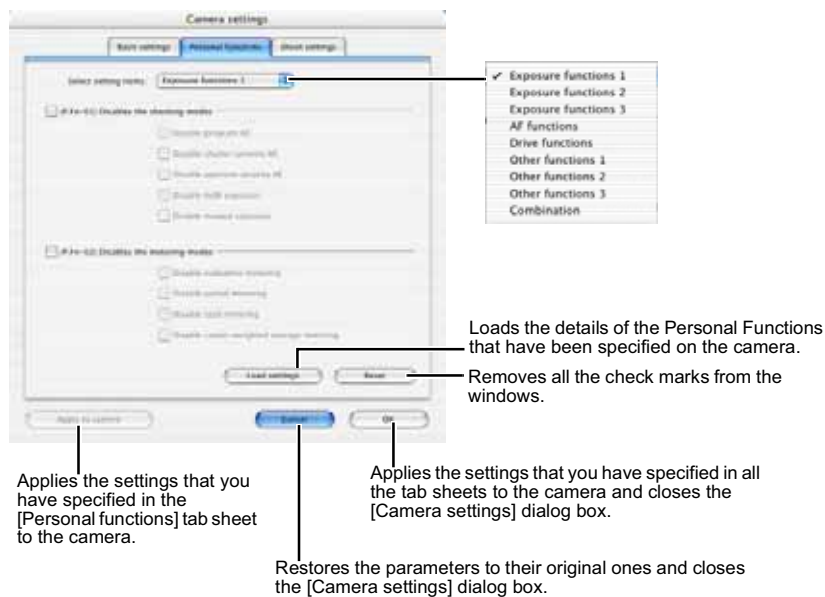
1 Display the [Camera settings] dialog box (M-56).

2 Select the [Personal functions] tab.

→ The [Personal functions] tab sheet appears.



3 From the list box, select a window in which you wish to specify settings.



→ The selected window appears.

- In the [Combination] window, you can check the specified personal function settings and the status of whether or not the settings are applied to the camera. You can also save and load the personal function settings (M-75).

You can specify the Personal Function settings listed below in the different windows.

[Exposure functions 1]

- P.Fn-01** Disables the shooting modes (M-62)
- P.Fn-02** Disables the metering modes (M-62)

[Exposure functions 2]

- P.Fn-03** Specifies the metering mode for manual exposure (M-63)
- P.Fn-04** Sets the maximum and minimum shutter speeds to be used (M-63)
- P.Fn-05** Sets the maximum and minimum apertures to be used (M-64)

M

[Exposure functions 3]

- P.Fn-06** Registers and switches the shooting mode and metering mode (M-64)
- P.Fn-07** Repeats bracketing during continuous shooting (M-66)
- P.Fn-08** Sets the number of shots to be bracketed (M-66)
- P.Fn-09** Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure (M-66)
- P.Fn-10** Retains the shift amount for program shift (M-67)

[AF functions]

- P.Fn-14** Disables focus detection (search driving) by the lens drive (M-68)
- P.Fn-15** Disables the AF-assist beam from being emitted (M-68)
- P.Fn-16** Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully (M-69)
- P.Fn-17** Disables automatic AF point selection (M-69)
- P.Fn-18** Enables automatic AF point selection when C.Fn-11-2 has been set (M-70)

4

[Drive functions]

- P.Fn-19** Sets the continuous shooting speed (M-70)
- P.Fn-20** Limits the number of shots during continuous shooting (M-70)
- P.Fn-21** Enables quiet operation when the shutter button is OFF after picture-taking (M-71)

Specifying Camera Settings in EOS Viewer Utility

[Other functions 1]

- P.Fn-23** Changes the timer's time length (M-71)
- P.Fn-24** Illuminates the LCD panel during bulb exposures (M-72)

[Other functions 2]

- P.Fn-25** Sets the default settings when the CLEAR button is ON (M-72)

[Other functions 3]

- P.Fn-26** Shortened release time lag (M-73)
- P.Fn-27** Enables the electronic dial's function to be used in the reverse direction (M-73)
- P.Fn-28** Prevents exposure compensation with the Quick Control Dial (M-73)
- P.Fn-30** Enables Quick Control Dial switch to turn on/off Main Dial too (M-73)
- P.Fn-31** Add original decision data (M-74)

[Combination]

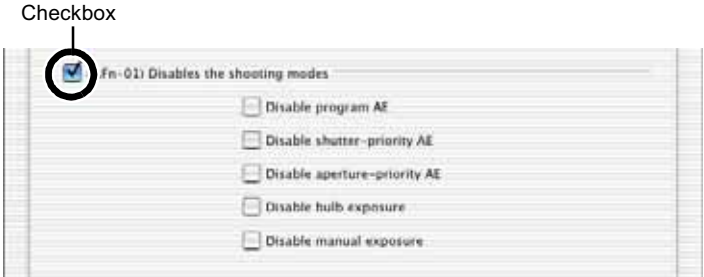
- Allows you to check the settings (M-75)
- Allows you to save the settings (M-76)
- Allows you to load the saved settings (M-76)

* Omission of P.Fn-11, 12, 13, 22 and 29

To match the numbers and descriptions for the Personal Functions to the EOS-1 series, some numbers have been omitted.

4 Set up the Personal Function (M-62 to M-74).

- If you select the checkbox, the selected item takes effect.



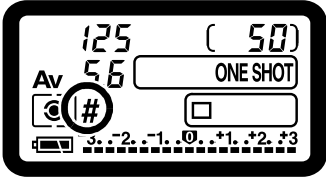
M

- If you enter a numerical value, values outside the valid range of settings are ignored.
- Clicking the [Load settings] button acquires the settings with the Personal Function settings on the camera.
- Clicking the [Reset] button removes all the check marks from the windows.
- If the Personal Function settings are saved on your computer, the saved settings can be loaded (M-76).

5 Check the settings and save them on your computer if necessary (M-75, M-76).

6 Click the [OK] button.

- Applies the settings and closes the [Camera settings] dialog box.
- When a Personal Function is applied to the camera, <#> appears on the LCD panel.



4

Specifying Camera Settings in EOS Viewer Utility


Description of Personal Functions

- The **C.Fn** shown in this section provides brief descriptions of the Custom Function Settings for the respective camera functions. For more details, refer to “Custom Function Settings” in the camera’s Instruction Manual.

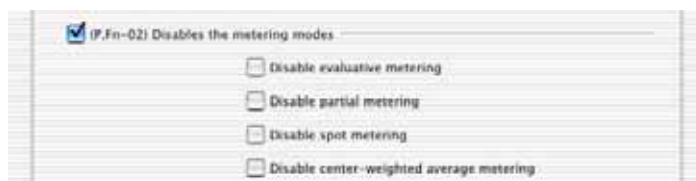
P.Fn-01 Disables the shooting modes




- Click the shooting modes you do not want to use.
- Unwanted shooting modes can be skipped while you are selecting the shooting mode.
- This makes selecting the desired shooting mode faster.

 At least one checkbox must be left unchecked.

P.Fn-02 Disables the metering modes



- Click the metering modes you do not want to use.
- Unwanted metering modes can be skipped while you are selecting the metering mode.
- This makes selecting the desired metering mode faster.

 At least one checkbox must be left unchecked.

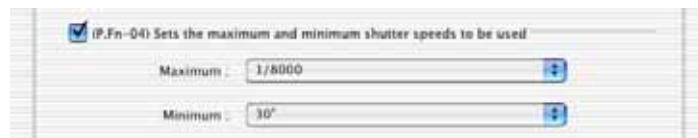
P.Fn-03 Specifies the metering mode for manual exposure



- Select the metering mode to be specified.
- You can specify the metering mode to be used in the manual exposure mode.
- When you set the manual exposure mode, the metering mode selected here will be set automatically. In the manual exposure mode, this enables you to use a metering mode different from the one used in the AE modes.

M

P.Fn-04 Sets the maximum and minimum shutter speeds to be used



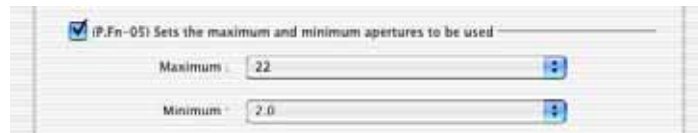
- Select the maximum and minimum shutter speeds from the list box.
- For example, if you set 1/2000 sec. as the fastest shutter speed and 1/60 sec. as the slowest, the shutter speed range will be 1/2000 to 1/60 sec.
- This makes shutter speed selection faster and prevents a slow-speed sync. in aperture-priority AE mode with the flash.

4

● If you set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/750 sec.), the controllable and settable shutter speed range might not be as exact as you set it. (A slight deviation may occur.) This applies if you also set Custom Function C.Fn-6-1 and C.Fn-6-2 and set the maximum and/or minimum shutter speed to one that is not a full-stop increment (such as 1/3200 sec.).

- To ensure that a proper flash sync speed is set in the Program AE mode, a shutter speed range of 1/200 sec. to 1/80 sec. cannot be set.
- If safety shift has been enabled (with C.Fn-16), it will override P.Fn-04's shutter speed range.

P.Fn-05 Sets the maximum and minimum apertures to be used



- Select the maximum and minimum apertures from the list box.
- For example, if you set 1.4 for the largest aperture and 8.0 for the smallest aperture, the usable aperture range will be f/1.4 to f/8.0.
- You can better control the apertures used by setting the range of usable apertures.




- Specify a minimum aperture value that is smaller than the maximum aperture setting. If you select a minimum aperture value that is larger than the maximum aperture, a warning message appears and the setting reverts to the default value.
- If you set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/4.5), the controllable and settable aperture range might not be as exact as you set it. (A slight deviation may occur.) This applies if you also set Custom Function C.Fn-6-1 or C.Fn-6-2 and set the maximum and/or minimum aperture to one that is not a full-stop increment (such as f/6.3).



- If the largest aperture of the attached lens is smaller than the largest aperture you set with P.Fn-05, the largest aperture will be set to the largest aperture of the lens. And if the smallest aperture of the attached lens is larger than the smallest aperture you set with P.Fn-05, the smallest aperture will be set to the smallest aperture of the lens.
- If safety shift has been enabled (with C.Fn-16), it will override P.Fn-05's aperture range.

P.Fn-06 Registers and switches the shooting mode and metering mode



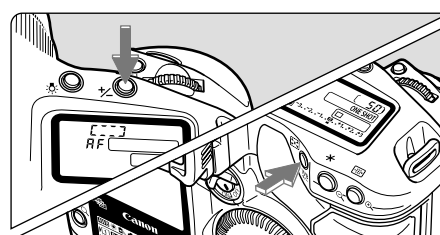
- While you press the  button, you can select the preset shooting mode, exposure setting (such as the aperture for aperture-priority AE), metering mode, and exposure compensation amount.
- Select settings that are appropriate for each shooting mode.
- The modes and settings are preset with the camera.
See "Registering the Modes and Settings with the Camera" for information on the camera procedures (M-65).
- Convenient when you want to instantly select the preset modes and settings to suit a particular shooting situation such as backlit or front-lit conditions.

Registering the Modes and Settings with the Camera (P.Fn-06)

1 Set the shooting mode and shooting mode settings (aperture setting for aperture-priority AE mode). Then set the metering mode and exposure compensation amount.

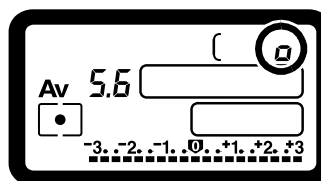
2 Register the modes and settings.

- First press the $\langle \text{P} \rangle$ button, then press the $\langle \text{P.Fn-06} \rangle$ button.



- $\rightarrow \langle \text{P} \rangle$ appears in the LCD panel, indicating that the modes and settings have registered.

- The registered modes and settings can be modified any number of times.



! To register the modes and settings, first press the $\langle \text{P} \rangle$ button before the $\langle \text{P.Fn-06} \rangle$ button. If you press the $\langle \text{P.Fn-06} \rangle$ button first, the camera will only select the registered modes and settings instead.

- Bulb cannot be preset.
- You cannot select the registered modes and settings during continuous shooting.
- If P.Fn-03 has been set to specify the metering mode for manual exposure, and P.Fn-06 is used to register the manual exposure mode and a metering mode different from the one specified with P.Fn-03, you can select the metering mode specified with P.Fn-03 by pressing the $\langle \text{P.Fn-03} \rangle$ button.
- If P.Fn-04 and/or P.Fn-05 has been set, set the shutter speed and aperture within the range specified with P.Fn-04 and/or P.Fn-05.
- If the shooting and metering modes you want to set are excluded by the restrictions in P.Fn-01 and P.Fn-02, those Personal Functions must be disabled. For information on clearing and resetting Personal Functions, refer to "Clearing and Resetting Personal Functions" in the camera's Instruction Manual.
- Even if the shooting and metering modes selected by P.Fn-06 are excluded by the restrictions in P.Fn-01 and P.Fn-02, they are still valid for P.Fn-06.

- C.Fn**
- If C.Fn-4-1 or C.Fn-4-3 has been set, AF and AE will also take effect when you press the $\langle \text{P.Fn-06} \rangle$ button.
 - When C.Fn-18 is set, P.Fn-06 is disabled.

M

4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-07 Repeats bracketing during continuous shooting



- While you hold down the shutter button, bracketing repeats continuously in the currently selected drive mode.
- This function is useful when you want to continuously repeat the bracketing sequence.

P.Fn-08 Sets the number of shots to be bracketed

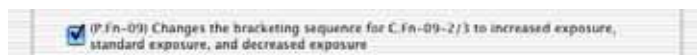


- Select the number of shots from the list box.
- The usual 3-frame bracketing is changed to 2-, 3-, 5-, or 7-frame bracketing.
- In bracketing shots, if you select 5-frame bracketing with 1-stop increment, the bracketing for the shots is -2, -1, 0, +1 and +2.
- This function is useful for adjusting the range of bracketing.



- Even when the setting is outside the bracketing level display range, the exposure is compensated as specified.
- This function can be used in combination with C.Fn-09-2/3 and P.Fn-09.

P.Fn-09 Changes the bracketing sequence for C.Fn-09-2/3 to increased exposure, standard exposure, and decreased exposure



- The bracketing sequence when C.Fn-09-2/3 is selected (decreased exposure → standard exposure → increased exposure) changes to increased exposure → standard exposure → decreased exposure.
- This function is useful when you want to start the bracketing sequence with a increased exposure frame.



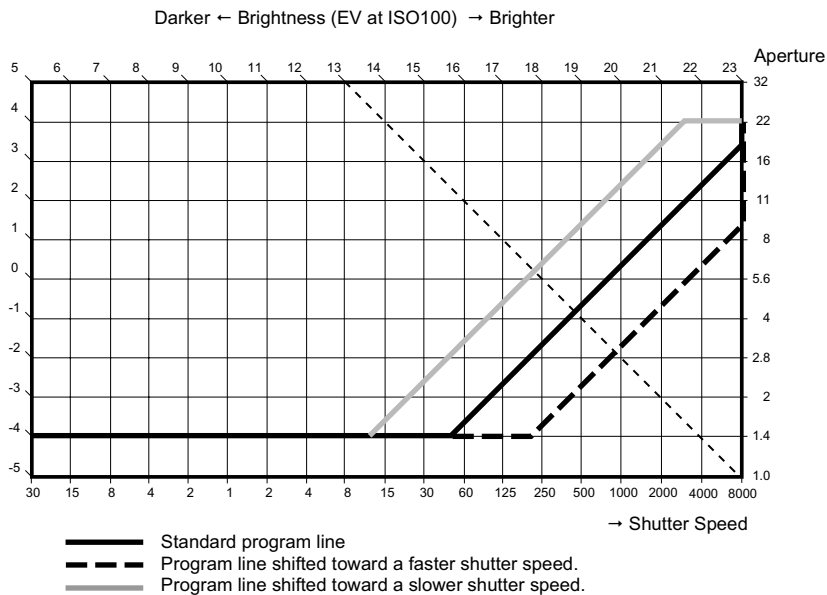
- This function can be used in combination with P.Fn-08.

P.Fn-10 Retains the shift amount for program shift



- Normally, any program shift amount is canceled after you take the picture. This Personal Function retains the program shift amount.
- This function is useful when you want to shift the standard program line so that priority is given to the shutter speed or to the aperture.

By shifting the program, you can change the shutter speed or aperture and still retain the same exposure level. Under the same brightness, you can shift the program line toward the right to set a faster shutter speed and a larger aperture (lower f/number). Or you can shift the program line toward the left to set a slower shutter speed and a smaller aperture (higher f/number). P.Fn-10 retains the amount of program shift. Select the appropriate amount of shift for the level of priority you want to give to the shutter speed or aperture setting.



With EF50mm f/1.4 USM lens

- The program shift amount remains in effect until you set it back to the standard program manually or replace the battery or press the CLEAR button (QUALITY+WB).
- The shift amount is retained even after you change the lens.

M

4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-14 Disables focus detection (search driving) by the lens drive



- Normally, when you press the shutter button halfway and focus cannot be achieved, the lens is driven to search the correct focus. This lens driving operation can be turned off.
- When focus has been achieved once and refocusing fails, the subsequent lens driving operation can result in grossly inaccurate focus. This subsequent lens driving operation is turned off. P.Fn-14 is especially suited for super telephoto lenses.



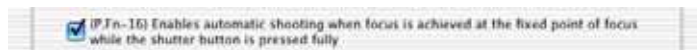
If autofocus is attempted while the lens is way out of focus, the lens may stop operating. Focus manually until the subject outline becomes discernable, then autofocus.

P.Fn-15 Disables the AF-assist beam from being emitted



- This disables the external Speedlite's built-in AF-assist beam.
- At a joint photo session, etc., this prevents the AF-assist beam's pattern projected on the subject from being photographed by other photographers.

P.Fn-16 Enables automatic shooting when focus is achieved at the fixed point of focus while the shutter button is pressed fully



- This takes the picture automatically when the subject comes to the preset focusing distance. Focusing detection is performed using the selected AF point.
- Set the lens focus mode switch to <MF> and focus manually at the desired point of focus.
- Keep pressing the shutter button fully.
- Using an accessory like Remote Controller RS-80N3 which can lock the shutter button relieves you from holding down the shutter button while you wait for the subject.



- Because the camera remains on standby while the shutter button is fully pressed, battery power is used up more quickly. For long periods of photography, use the DC Coupler Kit.
- When this function is used in combination with a flash, the flash remains on standby at full charge. Consequently, the flash batteries are used up more quickly. (The Speedlite's SE mode is disabled.)
- When you use a flash with this function, set the drive mode to single-frame shooting. If you select continuous shooting, the flash will be unable to charge in time for successive shots and will not fire at full charge.
- If you set the drive mode to continuous shooting, set the number of shots in P.Fn-20. If you do not use P.Fn-20, once the camera focuses on the subject, continuous shooting will continue until the capacity of the memory card is reached.
- P.Fn-16 cannot be used with manual focus lenses or with lenses that are too slow to be used with autofocus.
- Do not use this function when C.Fn-4-1/3 is set as shots will be taken regardless of whether the image is in focus.



Using an accessory like Remote Controller RS-80N3 which can lock the shutter button is recommended.

P.Fn-17 Disables automatic AF point selection



- When you select beyond the peripheral AF point, the selection stops there. It makes selecting a peripheral AF point faster.



- If C.Fn-11-2 has been set, you can switch to automatic AF point selection by pressing the < [AF] > button during autofocus. (→ "Selecting the AF Point" in the camera's Instruction Manual)
- If automatic AF point selection has been preset at [AF frame registration] setting, the preset setting remains valid. (→ "Registering and Switching the AF Point" in the camera's Instruction Manual)

M


4

Specifying Camera Settings in EOS Viewer Utility

P.Fn-18 Enables automatic AF point selection when C.Fn-11-2 has been set




- Enables the standard horizontal AF point selection together with automatic AF point selection with C.Fn-11-2.
- Convenient when you want to use automatic AF point selection while C.Fn-11-2 has been set.

 If P.Fn-17 [Disables automatic AF point selection] has also been set, P.Fn-17 will override P.Fn-18 to disable automatic AF point selection.

P.Fn-19 Sets the continuous shooting speed



- In the list box, select the speed of continuous shots during continuous shooting.
- By reducing the maximum continuous shooting speed, AI Servo AF continuous shooting can be more stable.

 In AI Servo AF, it may not be possible to complete the selected speed of continuous shots.

P.Fn-20 Limits the number of shots during continuous shooting



- This enables you to enter the maximum number of shots to be exposed during continuous shooting while the shutter button is pressed fully.
- Convenient when you do not want to shoot an unwanted scene that follows.

P.Fn-21 Enables quiet operation when the shutter button is OFF after picture-taking



- When single-frame shooting is selected, this function selects quiet camera operation when you release the shutter button from the fully pressed position to the half way position.
- This is useful when the camera operation noise would be disturbing after you take the picture.

If you select continuous shooting, the camera operates normally.

C.Fn Setting mirror lockup with C.Fn-12 will further reduce the shooting noise.

M

P.Fn-23 Changes the timer's time length



- After you press and release a button, the respective function remains active for a specific number of seconds. You can change this number of seconds as necessary.
- The function's activation time can be set from 0 to 3600 sec. (1 hour).
- If the standard activation time is too short or too long, you can adjust it.

6 sec. Timer	● After you press the shutter button halfway or the button.
16 sec. Timer	● FE lock time after you press the button.
Post-shutter release timer	<ul style="list-style-type: none">● Exposure setting retaining time after the picture is taken. Setting this to a longer time can make it easier to shoot with AE lock.● LCD panel illumination time after the picture is taken.

Be aware that a longer activation time will consume more battery power. The battery life will become shorter and fewer number of shots can be taken with the battery.

To turn off the function's activation time midway, press the button, button or button.

4

Specifying Camera Settings in EOS Viewer Utility

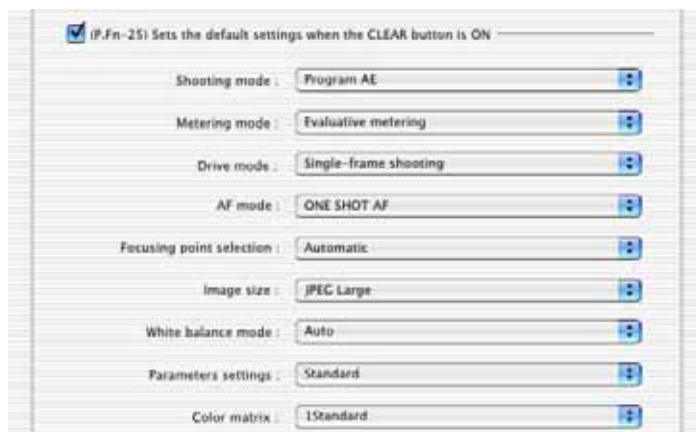
P.Fn-24 Illuminates the LCD panel during bulb exposures



- After the bulb exposure starts, press the <LCD panel illumination> button to illuminate the LCD panel until the bulb exposure ends.
- Convenient when you want to monitor the elapsed bulb exposure time.

⚠ Taking bulb shots for long periods speeds up battery charge depletion and reduces the number of available shots.

P.Fn-25 Sets the default settings when the CLEAR button is ON



- You can use this function to select the default mode selected when you press the CLEAR button <QUALITY+WB>.
- Convenient when you want to instantly switch to frequently-used settings.

P.Fn-26 Shortened release time lag



- Normally, the shutter-release time lag is controlled for stability. This Personal Function eliminates this control. As a result, the shutter-release time lag can be reduced by as much as about 20 percent when the aperture needs to be stopped down by no more than 3 stops.
- This is effective when a shorter shutter-release time lag is more important than a stable shutter-release time lag.

Since the difference is in 10-millisecond increments, the time lag may not feel any shorter.

M

P.Fn-27 Enables the electronic dial's function to be used in the reverse direction

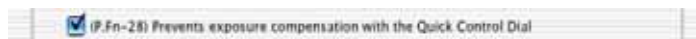


- The electronic dial's rotational function can be reversed for selecting the AF point and setting the shutter speed and aperture.
- By matching the dial's rotation direction to the particular operation, the operation can feel more intuitive.

When the main dial's rotational function is reversed, the horizontal AF point selection direction does not change.

4

P.Fn-28 Prevents exposure compensation with the Quick Control Dial



- The Quick Control Dial cannot be used to set exposure compensation.
- This prevents exposure compensation from being set accidentally while the AF point is being selected.

P.Fn-30 Enables Quick Control Dial switch to turn on/off Main Dial too



- Setting the Quick Control Dial switch to <OFF> disables the Main and Quick Control Dials.

P.Fn-31 Add original decision data



- The data that shows whether or not the image is the original one can be added to the image. When selecting the display format of Shooting information (INFO), the icon showing the captured image with Original image verification data is displayed. For more details, refer to “Shooting Information Display” in the camera’s Instruction Manual.
- For the decision of the original image, you will need the dedicated accessory (optional).

⚠ The original decision data cannot be added to the JPEG or TIFF image converted from the RAW image.

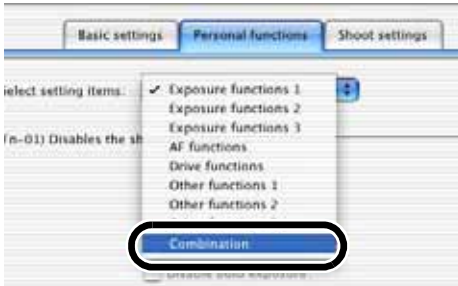
Checking, Saving, and Loading Personal Function Settings

You can check the specified personal functions and the status of whether or not the settings are applied to the camera. You can also save the settings on your computer and then load the saved settings and apply them to the camera.

1 Specify the personal functions (M-62 to M-74).

2 Select [Combination] from the list box.

→ The [Combination] window appears.



3 Check the settings, save and load them (M-76).

- You can check the Personal Function settings and check if these settings are applied on the camera.



M

4


Specifying Camera Settings in EOS Viewer Utility

Saving the Settings

- 1 Click the [Save as] button.
→ The [Save] dialog box appears.

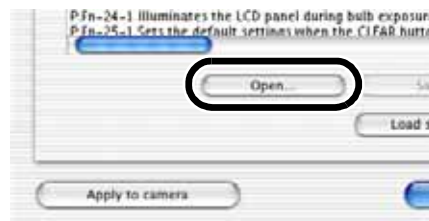


- 2 Select the destination folder, enter the file name, and then click the [Save] button.
→ The specified Personal Function settings are saved.


 To update an existing file, click the [Save] button.

Loading the Settings

- 1 Click the [Open] button.
→ The [Open] dialog box appears



- 2 Open the folder containing the settings, select the file, and then click the [Open] button.
→ The Personal Function settings data saved in that file are loaded.

 **Windows/Macintosh compatibility for Personal Function settings data**
Personal Function settings data saved on your computer is compatible with EOS Viewer Utility for both Windows and Macintosh.

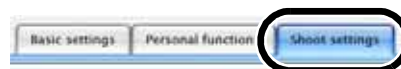
Shot Settings

You can specify various shot settings, such as processing parameters, tone curve, personal white balance settings, color matrix, and JPEG quality, and then apply these settings to the camera.

1 Display the [Camera settings] dialog box (M-56).

2 Select the [Shoot settings] tab.

→ The [Shoot settings] tab sheet appears.



M

3 Click one of the buttons to display each dialog box.

Allows you to select tone curves, specify the sharpness and contrast, and then register these settings on the camera (M-78).

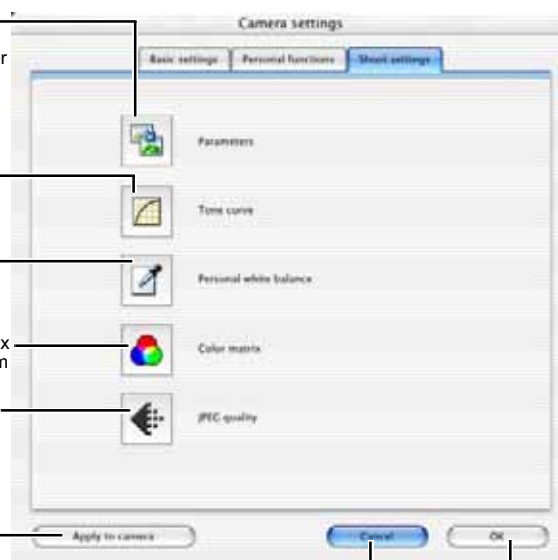
Loads the saved tone curves, and allows you to select color channels and register them on the camera (M-80).

Loads the personal white balance settings, and then registers them on the camera (M-82).

Allows you to select color matrix settings and then register them on the camera (M-84).

Allows you to specify JPEG quality settings (L, M1, M2, S), and register them on the camera (M-86).

Applies the settings that you have specified in the [Shoot settings] tab sheet to the camera.



Restores the parameters to their original ones and closes the [Camera settings] dialog box.

Applies the settings that you have specified in all the tab sheets to the camera and closes the [Camera settings] dialog box.

4

Specifying Camera Settings in EOS Viewer Utility

4 Click the [OK] button.

→ The settings are applied to the camera and the [Camera settings] dialog box closes.

Specifying the Parameters

You can select tone curves, specify the sharpness and contrast, and then register up to three sets of these settings on the camera as processing parameters.

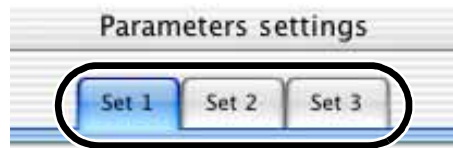
- For more information on setting the processing parameters on the camera, refer to "Setting the Processing Parameters" in the camera's Instruction Manual.

1 Click the [Parameters] button (M-77).

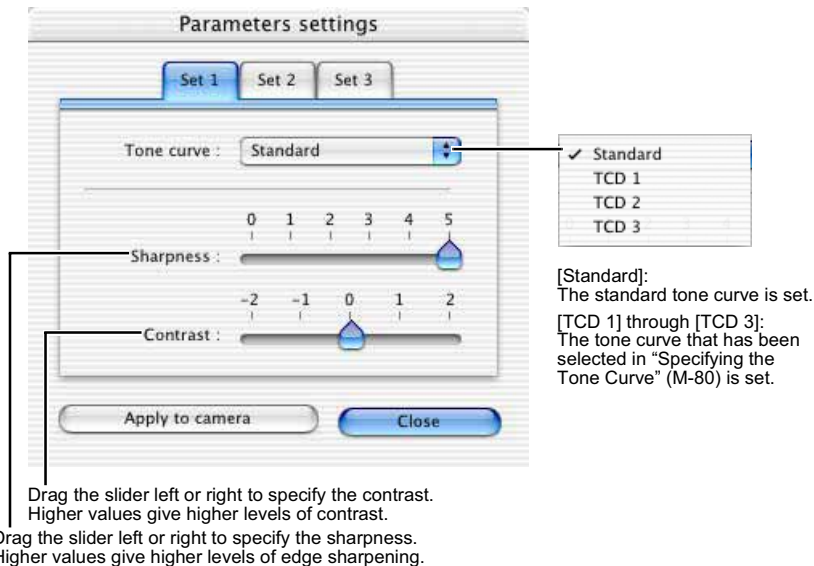
→ The [Parameters settings] dialog box appears.



2 Select the [Set 1], [Set 2], or [Set 3] tab.



3 Specify the tone curve, sharpness, and contrast.

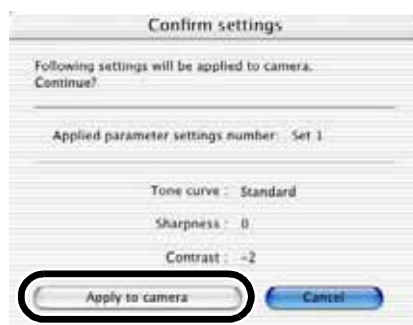


4 Click the [Apply to camera] button.

→ The [Confirm settings] dialog box appears.

5 Check the settings and click the [Apply to camera] button.

→ The parameter is registered on the camera.

**M**

6 Click the [Close] button.

→ The [Parameters settings] dialog box closes.

4

Specifying Camera Settings in EOS Viewer Utility

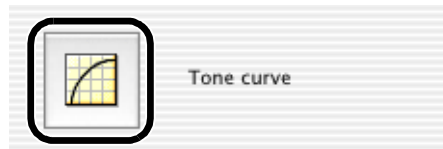
Specifying the Tone Curve

You can download saved tone curves from a computer and register up to three (M-39) as tone curve data on the camera. You can also select the tone curve data that has been loaded into the [TCD 1] through [TCD 3] tab sheets, from the list box shown in “Specifying the Parameters” (M-78).

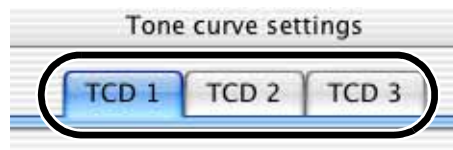
- For more information on registering the tone curve data ([TCD 1] through [TCD 3]) on the camera, refer to “Setting the Processing Parameters” in the camera’s Instruction Manual.

1 Click the [Tone curve] button (M-77).

→ The [Tone curve settings] dialog box appears.



2 Select the [TCD 1], [TCD 2] or [TCD 3] tab.



3 Click the [Open] button.

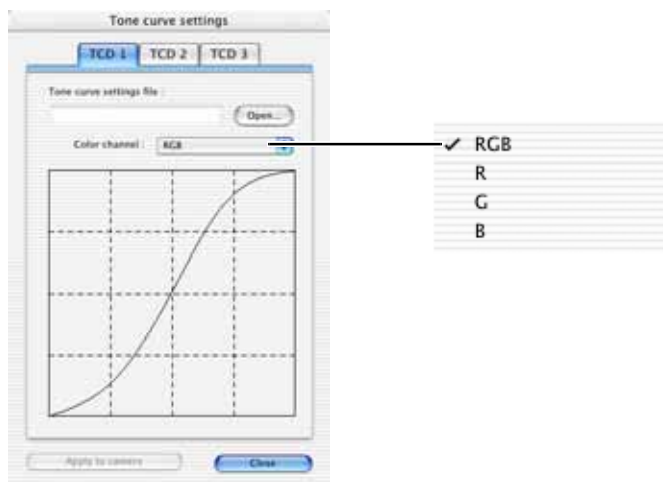
→ The [Open] dialog box appears.



4 Open the folder containing the tone curve, select a file, and then click the [Open] button.

→ The tone curve is loaded.

5 Select a channel from the list box.



M

6 Click the [Apply to camera] button.

→ The tone curve is registered on the camera.

7 Click the [Close] button.

→ The [Tone curve settings] dialog box closes.

4

Specifying Camera Settings in EOS Viewer Utility

Specifying the Personal White Balance

You can download saved white balance data from a computer and register up to three (M-36) as personal white balance on the camera.

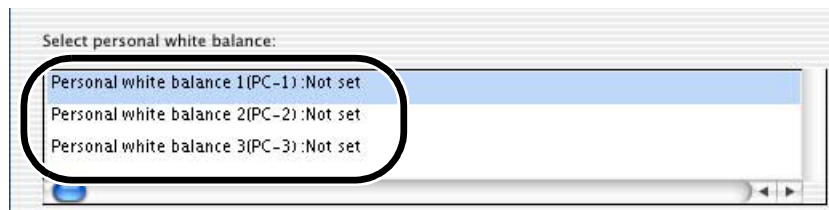
- When you upload a personal white balance setting to the camera, $\langle PC-1 \rangle$ to $\langle PC-3 \rangle$ is displayed on the panel located on the back of the camera.
- For more information on setting the personal white balance on the camera, refer to "Selecting the White Balance" in the camera's Instruction Manual.

1 Click the [Personal white balance] button (M-77).

→ The [Personal white balance settings] dialog box appears.



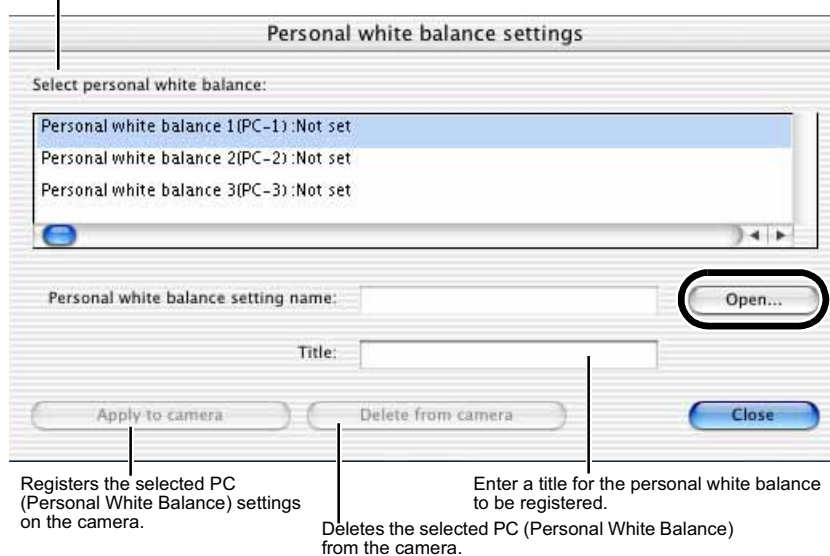
2 Select the PC (Personal White Balance) to be registered from the list.



3 Click the [Open] button.

→ The [Open] dialog box appears.

Displays the setting status for the PC (Personal White Balance) registered on the camera along with their titles.



M

4 Open the folder containing the saved white balance, select the file, and then click the [Open] button.

→ The white balance is loaded.

5 Enter a title in the [Title] input box.



6 Click the [Apply to camera] button.

→ The white balance is registered on the camera.

- To register another setting, repeat steps 2 to 6. You can register up to 3 settings (PC-1, PC-2 and PC-3).
- To delete a registered setting, select the PC (Personal White Balance) from the list and click the [Delete from camera] button.

7 Click the [Close] button.

→ The [Personal white balance settings] dialog box closes.

Specifying the Color Matrix

You can specify the color space, color saturation, and color tone, and then register up to two sets of these settings on the camera. You can also select the predetermined color matrix from the list box, which helps you to specify the settings.

- For more information on setting the color matrix on the camera, refer to “Selecting the Color Matrix” in the camera’s Instruction Manual.

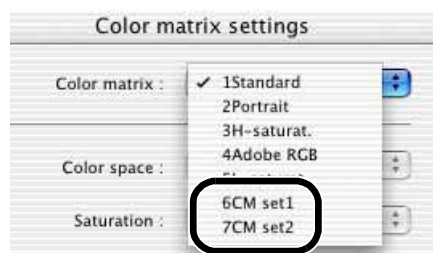
1 Click the [Color matrix] button (M-77).

- The [Color matrix settings] dialog box appears.

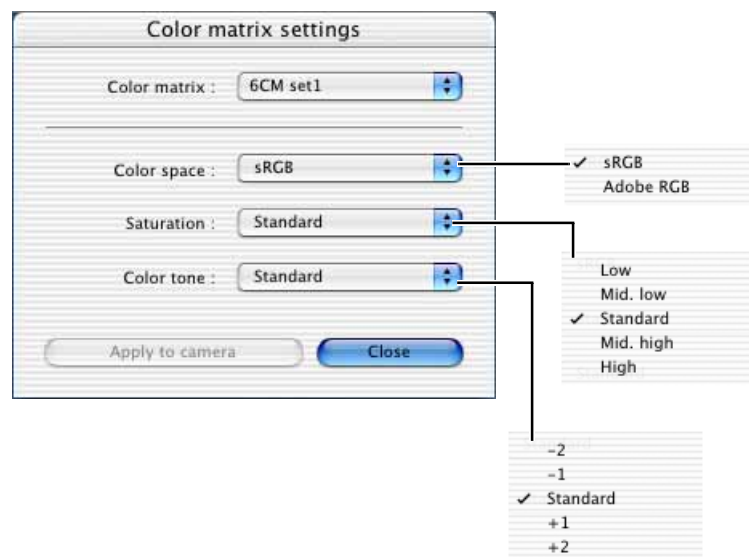


2 Select [CM set1] or [CM set2] from the list box.

- This activates the [Color space], [Saturation], and [Color tone] list boxes.
- If you select any color matrix setting other than [CM set1] or [CM set2], you cannot register the settings on the camera.



3 Select desired settings from the list boxes.



M

4 Click the [Apply to camera] button.

→ The color matrix is registered on the camera.

5 Click the [Close] button.

→ The [Color matrix settings] dialog box closes.

4

Specifying Camera Settings in EOS Viewer Utility

Specifying the JPEG Quality

You can specify the JPEG quality for each of the sizes, L (Large), M1 (Middle 1), M2 (Middle 2), and S (Small), and then register the settings on the camera.

- For more information on setting the JPEG quality on the camera, refer to “Setting the Image-recording Quality” in the camera’s Instruction Manual.

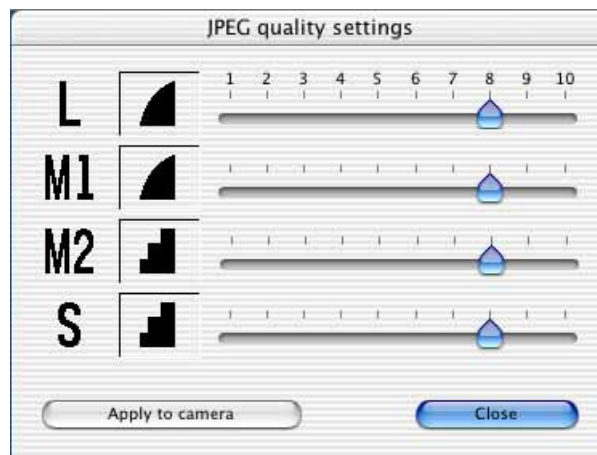
1 Click the [JPEG quality] button (M-77).

- The [JPEG quality settings] dialog box appears.



2 Drag the slider left or right to adjust the JPEG quality.

- Higher values give a lower compression ratio and higher image quality for any size.



3 Click the [Apply to camera] button.

- The JPEG quality is registered on the camera.

4 Click the [Close] button.

- The [JPEG quality settings] dialog box closes.

Remote Shooting in EOS Viewer Utility

5

This chapter describes how to use the Remote Shooting function in EOS Viewer Utility for taking shots and specifying the camera settings remotely from your computer.

For more information on the restrictions of remote shooting, refer also to the source listed below.

Readme: Double-click the [Canon Utilities] folder ► the [EOS Viewer Utility] folder
► [EOSUtility] ► [ReadMe].

Starting the Remote Shooting Function	M-88
Remote Shooting	M-90
Single-frame Shooting	M-90
Timer Shooting	M-91
Interval Timer Shooting	M-92
Specifying the Camera Settings	M-93
Specifying the Save Destination	M-93
Camera Settings	M-94
Processing Parameters	M-96

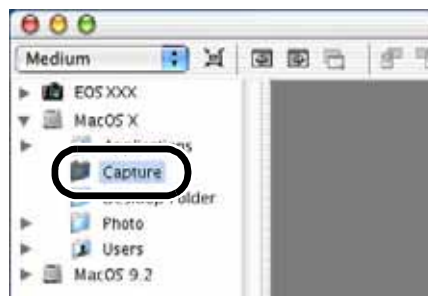
Starting the Remote Shooting Function

1 Connect the camera to your computer (M-8).

2 Start up EOS Viewer Utility (M-12).

3 Select the folder to save the image in.

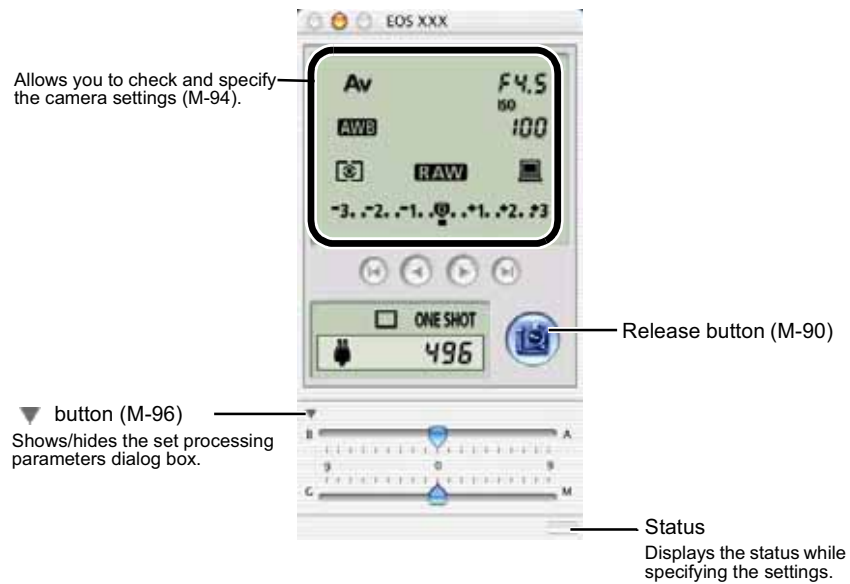
- Select a folder in the Tree View Area to save the image in, or create a new folder (M-16). (The [Capture] folder is created here as an example.)




4 Select the [Option] menu ► [EOS Capture].

→ The EOS Capture main window appears.

EOS Capture main window



- For OS X, to quit the Remote Shooting function, select the [EOS Capture] menu ► [Quit EOS Capture].
- For OS 9, to quit the Remote Shooting function, select the [File] menu ► [Quit].

 EOS Capture is one of the functions of EOS Viewer Utility. Therefore, when you quit EOS Viewer Utility, EOS Capture also quits.

5 Click the [Release] button to take a shot (M-90).

M

5

Remote Shooting in EOS Viewer Utility

Remote Shooting

You can control the camera from your computer and take single-frame shots, timer shots and interval timer shots. The images are automatically saved on your computer.



Before you use the Remote Shooting function, be sure to check that the camera is ready for shooting. If the camera is not ready for shooting (the lens is not attached, etc.), you cannot perform the operation as shown below.

Single-frame Shooting

1

Set the camera up ready to shoot.

2

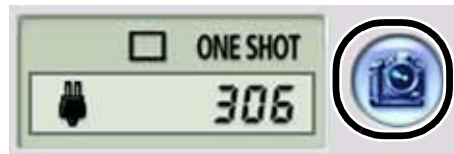
Make various settings.

- See “Camera Settings” (M-94) and “Processing Parameters” (M-96) for information on how to specify the camera settings.
- See “Specifying the Save Destination” (M-93) for information on how to specify the settings for saving images.

3

Click the [Release] button.

→ The shot images are displayed in EOS Viewer Utility and saved in your computer automatically.



Pressing the space bar allows you to shoot.

Approximate Transfer Times for Shooting RAW Images

Transfer Time	Approx. 12 sec.
---------------	-----------------

- The transfer times given here are only approximations. Actual transfer times vary widely depending on the images and the computer system.
- The times for images shot in JPEG format will be shorter than those shown above.
- Transfer times are based on Canon testing standards.

(Time until images appear in the EOS Viewer Utility main window after you uncheck the [Save also on the camera's memory card] checkbox and click the [Release] button in the EOS Capture main window using the following: OS: OS X; CPU: Power PC G4 700 MHz; RAM: 256 MB)

M



When the camera is set to One Shot AF, you cannot take shots if the camera cannot focus.

If you cannot take shots with the auto focusing, focus manually and then take a shot.



The number of available shots changes depending on the available capacity on your computer's hard disk. You can check the number of available shots with the [Shots to Go] (M-94).

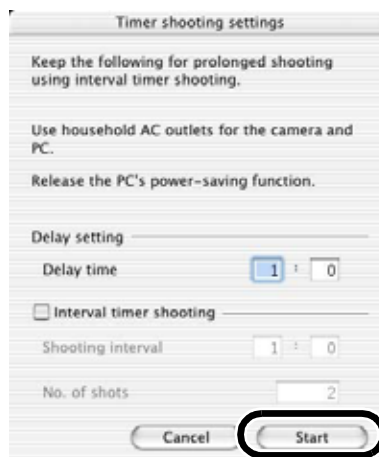
Timer Shooting

1 Select the [Tool] menu ► [Timer shooting].

→ The [Timer shooting settings] dialog box appears.

2 Enter a delay time and click the [Start] button.

- You can set a value between 0 seconds and 99 minutes 59 seconds in 1-second increments.
- Timer shooting shots are taken.



5

Remote Shooting in EOS Viewer Utility

Interval Timer Shooting

1 Select the [Tool] menu ► [Timer shooting].

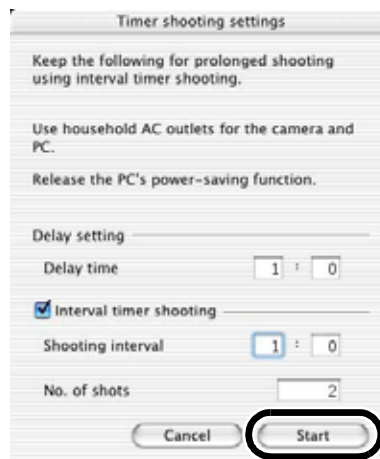
→ The [Timer shooting settings] dialog box appears.

2 Click the [Interval timer shooting] checkbox.



3 Enter the shooting interval and the number of shots. Then click the [Start] button.

- You can set a shooting interval between 5 seconds and 99 minutes 59 seconds in 1-second increments.
- You can set up to a maximum of 1999 shots.
- Interval timer shooting is performed using the specified interval between shots and the specified number of shots.



ⓘ On some types of computers, if you set a short interval between shots and there is insufficient time to download and save the images, it may not be possible to take shots at the specified interval. If this occurs, set a longer interval between shots and take the shots again.

Specifying the Camera Settings

You can check and change the settings in the camera from your computer remotely.

- Before you specify the settings, be sure to check that the camera is ready for shooting. If the camera is not ready for shooting (the lens is not attached, etc.), you cannot make some of the settings.

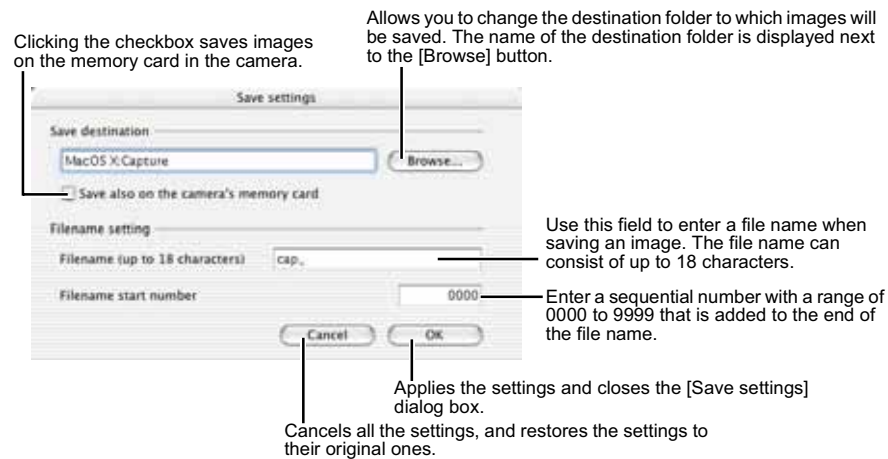
Specifying the Save Destination

You can specify save destination files and file names.

- 1 Select the [File] menu ► [Save destination setting].
→ The [Save settings] dialog box appears.
- 2 Specify desired settings and click the [OK] button.

M

Save settings dialog box



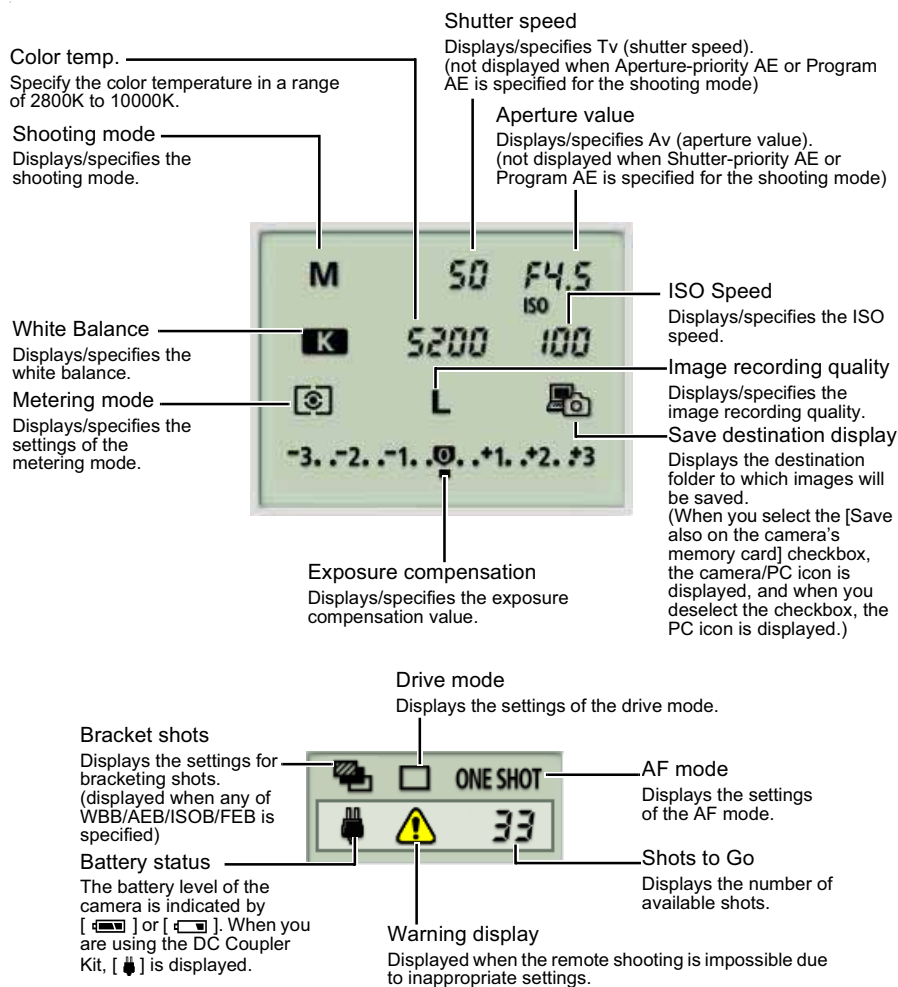
5

Remote Shooting in EOS Viewer Utility

Camera Settings

You can check and specify the camera settings.

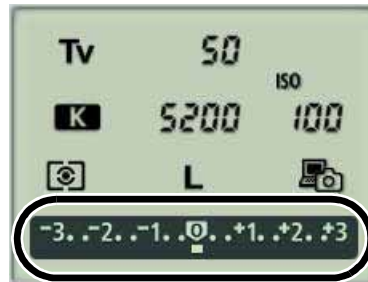
1 Check the camera settings.



* The above window shows all the information at once. In actual use, only the information needed is displayed.

2 Click the icon.

- The icon displayed here shows exposure compensation as an example.



M

3 Use the button to change a value.

Minimum settings button
Specifies the minimum value.

Maximum settings button
Specifies the maximum value.



1-step down settings button

Allows you to decrease the value by 1 step.

1-step up settings button

Allows you to increase the value by 1 step.

→ The changed settings are applied to the camera.

5

Remote Shooting in EOS Viewer Utility

Processing Parameters

You can specify the processing parameters displayed in the camera.

- If the set processing parameters dialog box has not appeared, click the [▶] button.

Change the settings.

- Use the slider and list box to specify the settings.

LB Filter slider

Allows you to correct the white balance using the digital color filter for blue/amber hue.



CC Filter slider

Allows you to correct the white balance using the digital color filter for green/magenta hue.

- The changed settings are applied to the camera.

Troubleshooting and Uninstallation



This chapter provides troubleshooting and describes the software uninstallation procedures.

Troubleshooting	M-98
Uninstalling the Software.....	M-100
Index	M-101

Troubleshooting

When the "Communication between the camera and computer failed" or "Software not running correctly" message appears, check the items described below.

I have installed the software but the camera and computer cannot communicate.

- **Does your computer comply with these requirements?**
 - A Macintosh with a FireWire (IEEE1394) connector as a standard feature.
 - * Operation is not guaranteed when the camera is connected to a FireWire (IEEE1394) interface that is not a standard feature of Macintosh.
- **Are the camera and computer connected correctly?**
 - Connect the camera to your computer correctly using the dedicated cable (M-8).
- **Is there sufficient charge left in the camera battery?**
 - Your computer does not supply power to the camera. Connect the DC Coupler Kit to the camera or load a fully charged battery into the camera before connecting it to your computer.
- **Do you have more than one camera connected to your computer?**

If you connect more than one camera to the same computer, the driver and camera may not operate normally.

 - Quit the software and disconnect all the dedicated cables. Then connect only one camera to the same computer again.

The software doesn't run properly or doesn't run at all.

● Is the preferences file for the software corrupted?

→ The preferences file for your software may be damaged.

Quit all active programs, delete the [Canon CameraCom Pref] file and the preference files for the software you are using from the [Preferences] folder, and then restart the software.

For OS X, double-click the startup disk ► click the [Home] button ► the [Library] folder ► [Preferences] to open the [Preferences] folder and delete the target preference files.

For OS 9, double-click the startup disk ► the [System Folder] ► the [Preferences] folder to open the [Preferences] folder and then delete the target preference files.



- | | |
|------------------------------|--------------------------------------------------------------------------|
| • Canon CameraCom Pref | Communications and default settings file shared by all software programs |
| • CanonEOSViewerUtility Pref | Preferences file for EOS Viewer Utility |
| • PhotoStitch Pref | Preferences file for PhotoStitch |

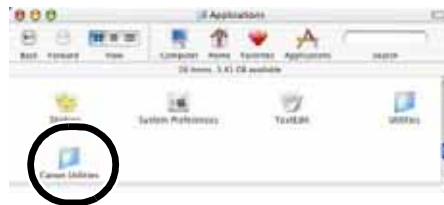
Uninstalling the Software

The following explanation uses the procedures for uninstalling EOS Viewer Utility as an example for uninstalling other programs as well.

- The software uninstallation procedure is the same for both OS X and OS 9.
- Before beginning the software uninstallation, quit all programs you are using and disconnect the dedicated cable from your computer.
- When you have moved the folders and the software to be deleted to the Trash, select [Empty Trash] from the [Finder] menu (For OS 9, select [Empty Trash] from the [Special] menu.) and empty the Trash. You cannot reinstall the software until you have emptied the Trash.

1 Display the folder in which the software is saved.

- Open the [Canon Utilities] folder.



2 Drag the folder for the software to be uninstalled to the Trash.

3 Select the [Finder] menu on the desktop ► [Empty Trash].

- For OS 9, select the [Special] menu ► [Empty Trash].
→ The image is deleted.

- When you drag the folder to the Trash, take great care not to delete any important images at the same time.
- When uninstallation ends, restart your computer.

Index

A

- Adjusting the Color M-43
- Adjusting the Tone Curve M-37
- Adjusting the White Balance
 - Click White Balance Function M-34
 - Correcting the White Balance M-35
 - Selecting the White Balance M-32
 - Specifying the Color Temperature M-33
- Attaching Check Marks to Images M-24

B

- Basic Settings M-57

C

- Checking the AF Point M-22
- Checking the Image Information and Entering Comments M-27
- Connecting the Camera to Your Computer M-8

D

- Deleting Images M-27
- Description of Personal Functions M-62
- Digital Exposure Compensation M-31
- Downloading Images M-16

E

- Editing Images M-26
- Editing RAW Images M-29
- EOS Capture Main Window M-89
- EOS Viewer Utility Main Window M-13

I

- ICC M-45
- Installing the Software M-4

L

- Loading the Personal Function Settings ... M-76
- Loading the Tone Curve M-39

M

- Main Functions of the Software
 - EOS Viewer Utility/EOS Capture..... 4
 - PhotoStitch 4
- Merging Images with PhotoStitch M-54

O

- Operation Flow 5

P

- Personal Function Settings M-58
- Playing Back Sound M-28
- Preview Window M-20
- Printing Images M-28
- Processing RAW Images M-29
- Protecting Images M-26

R

- RAW Adjustment Tool Palette M-15
- Remote Shooting
 - Interval Timer Shooting M-92
 - Single-frame Shooting M-90
 - Timer Shooting M-91
- Rotating Images M-26

S

- Saving Images M-45
- Saving the Personal Function Settings . M-76
- Saving the Tone Curve M-39
- Saving the White Balance M-36
- Selecting Images
 - Selecting Images in the Main Window M-23
 - Selecting Images in the Preview Window . M-23
- Selecting Images by Condition M-24
- Selecting the Color Matrix M-41
- Selecting the Contrast M-40
- Selecting the Display Size M-22
- Selecting the Sharpness M-44
- Setting the IPTC Information M-51
- Settings of Color Matrix M-42
- Shot Settings M-77
- Specifying the Camera Settings M-56
- Specifying the Camera Settings (EOS Capture) ... M-94
- Specifying the Color Matrix M-84
- Specifying the Date and Time M-57
- Specifying the JPEG Quality M-86

M-101

M

6

Troubleshooting and Uninstallation

Index

Specifying the Owner's Name	M-57
Specifying the Parameters	M-78
Specifying the Personal White Balance	M-82
Specifying the Preferences	M-50
Specifying the Processing Parameters	M-30
Specifying the Processing Parameters (EOS Capture)	M-96
Specifying the Save Destination (EOS Capture)	M-93
Specifying the Tone Curve	M-80
Starting EOS Viewer Utility	M-12
Starting the Remote Shooting Function	M-88
Supported Image Formats	M-17
System Requirements	M-2

T

Thumbnail Display	M-20
Tone Curve	M-40
Transferring Images to Retouching Software	M-48
Troubleshooting	M-98

U

Uninstalling the Software	M-100
---------------------------------	-------



CANON INC. 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, 146-8501, Japan

U.S.A. ————— CANON U.S.A. INC.

One Canon Plaza, Lake Success, N.Y. 11042-1198

For all inquiries concerning this camera, call toll free in the U.S.

1-800-OK-CANON

CANADA ————— CANON CANADA INC. HEADQUARTERS

6390 Dixie Road, Mississauga, Ontario L5T 1P7, Canada

CANON CANADA INC. MONTREAL BRANCH

5990, Côte-de-Liesse, Montréal Québec H4T 1V7, Canada

CANON CANADA INC. CALGARY OFFICE

2828, 16th Street, N.E. Calgary, Alberta T2E 7K7, Canada

For all inquiries concerning this camera, call toll free in Canada

1-800-OK-CANON

EUROPE, ————— CANON EUROPA N.V.

AFRICA & Bovenkerkerweg 59-61, P.O. Box 2262, 1180 EG Amstelveen,
MIDDLE EAST The Netherlands

CANON COMMUNICATION & IMAGE FRANCE S.A.

102, Avenue du Général de Gaulle 92257

La Garenne-Colombes Cedex, France

CANON UK LTD.

Woodhatch Reigate Surrey RH2 8BF, United Kingdom

CANON DEUTSCHLAND GmbH

Europark Fichtenhain A10, 47807 Krefeld, Germany

CANON ITALIA S.p.A.

Via Milano 8, I-20097 San Donato Milanese (MI) Italy

CANON Schweiz AG

Geschäftsbereich Wiederverkauf, Industriestrasse 12, CH-8305 Dietlikon,
Switzerland

CANON GmbH

Oberlaaerstrasse 233, 4th floor, 1100 Wien, Austria

CANON España, S. A.

C/Joaquin Costa, 41, 28002 Madrid, Spain

SEQUE Soc. Nac. de Equip., Lda.,

Praça da Alegria, 58, 2º, 1269-149 Lisboa, Portugal

CENTRAL & ————— CANON LATIN AMERICA, INC.

SOUTH AMERICA 703 Waterford Way Suite 400 Miami, FL 33126 U.S.A.

CANON LATIN AMERICA, INC. CENTRO DE SERVICIO Y REPARACION

Apartado 2019, Zona Libre de Colón, República de Panamá

ASIA ————— CANON HONGKONG CO., LTD.

9/F, The Hong Kong Club Building, 3A Chater Road, Central, Hong Kong

CANON SINGAPORE PTE. LTD.

79 Anson Road, #09-01/06, Singapore 079906

OCEANIA ————— CANON AUSTRALIA PTY. LTD.

1 Thomas Holt Drive, North Ryde, N.S.W. 2113, Australia

CANON NEW ZEALAND LTD.

Akoranga Business Park, Akoranga Drive, Northcote, Auckland, New Zealand

JAPAN ————— CANON SALES CO., INC.

16-6 Kohnan, 2-chome, Minato-ku, Tokyo, 108-8011, Japan

- This Instructions booklet is current as of February 2004. For information on using the camera with system accessories introduced after this date, contact your nearest Canon Service Center.
- The camera's specifications and physical appearance are subject to change without notice.