Canon

EOS DIGITAL Software

EOS Viewer Utility
EOS Capture
PhotoStitch

Windows

Macintosh

Compatible Models

EOS 20D
EOS 10D
EOS DIGITAL REBEL
EOS 300D DIGITAL
EOS D60
EOS D30

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.

1

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.

● This manual describes operating methods for the EOS 20D and uses the EOS 20D screens in examples. Supplementary information has been given where necessary about functions that are unique to each camera.

● 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 the 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 the 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 `Windows` `Macintosh`

- Dedicated software for an EOS DIGITAL camera to be used for downloading and displaying images, and processing RAW images.
- 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, 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.

EOS Capture `Windows` `Macintosh`

- Enables you to control the camera from your computer to shoot single-frame images or images using the timer or interval timer. Also, allows you to download images directly to your computer.
- * The EOS Capture is compatible with the EOS 20D only.
- * The EOS Capture for Macintosh is only compatible with Mac OS X.
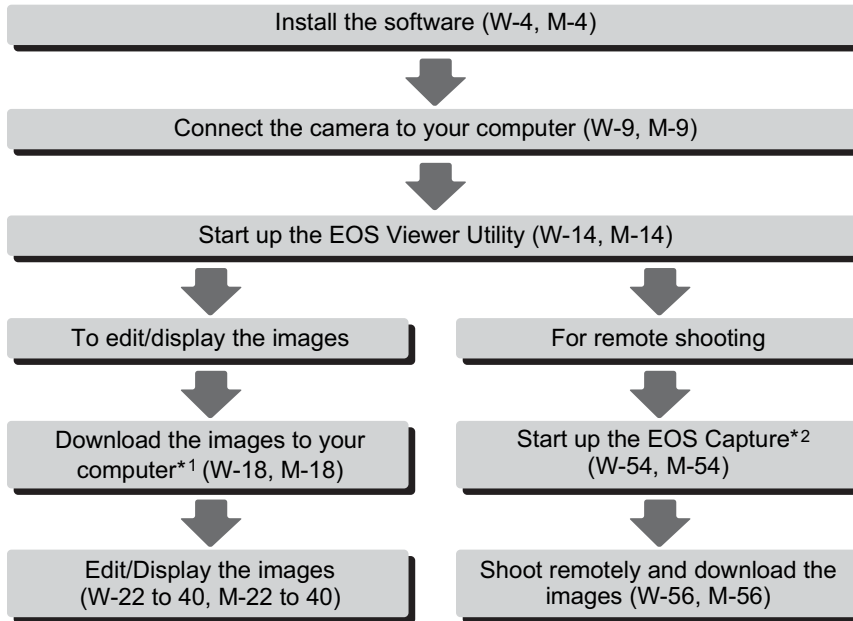
PhotoStitch `Windows` `Macintosh`

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

WIA Driver/TWAIN Driver `Windows`

- The WIA Driver or TWAIN Driver controls the communication between the camera and the software. You must install the WIA Driver for Windows XP or Me, and install the TWAIN Driver for Windows 2000 or 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.

Operation Flow

Install the software (W-4, M-4)

⬇

Connect the camera to your computer (W-9, M-9)

⬇

Start up the EOS Viewer Utility (W-14, M-14)

⬇ ⬇

To edit/display the images	For remote shooting

⬇ ⬇

Download the images to your computer*1 (W-18, M-18)	Start up the EOS Capture*2 (W-54, M-54)

⬇ ⬇

Edit/Display the images (W-22 to 40, M-22 to 40)	Shoot remotely and download the images (W-56, M-56)

● In addition, you can use the WIA Driver or TWAIN Driver (W-63) to quickly and easily download JPEG images from your camera. You can also use the PhotoStitch to merge multiple images to create a panorama shot easily.

*1 With the EOS Viewer Utility for Mac OS 9, you cannot download images by connecting the camera and your computer. Download images to your computer by either using the EOS Viewer Utility for Mac OS X or by using a third-party card reader.

*2 Remote shooting in the EOS Eapture is only available with the EOS 20D. You cannot do remote shooting in the EOS Capture on Mac OS 9.

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 and Power Macintosh 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

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

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 a USB port as a standard feature * 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	USB 1.1 to 2.0 Hi-Speed*
Hard disk space	EOS Viewer Utility: 100 MB or more 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.
* Only the EOS 20D is compatible with USB 2.0 Hi-Speed.

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-70).

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 Set the communication mode (W-8).
  5 Connect the camera to your computer and complete the installation (W-9).

> ● 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-73).

1 **Start up your computer.**
● Exit any programs that are running.

2 **Insert the CD (EOS DIGITAL Solution Disk).**
→ The Installer panel appears.
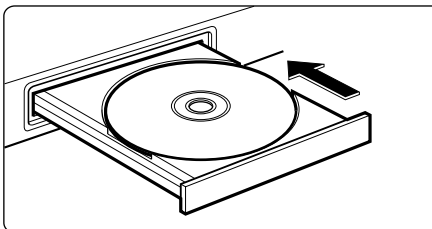
3 **Click the [Install] button.**
→ The [Preparing to Install] window appears and after a brief wait, the [Welcome to the InstallShield Wizard for Solution Disk] window appears.
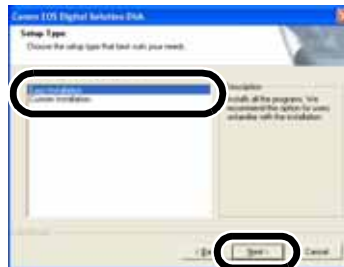
> If the dialog box that prompts you to restart your computer appears, restart your computer. After the computer restarts, the software installation process restarts automatically.

W-4

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 approximately 2 to 3 minutes.
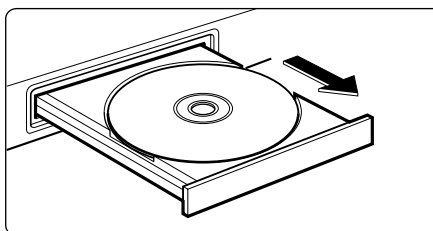
W-5

8 **Click the [Finish] button.**

9 **Click the [Exit] button.**

10 **Remove the CD.**

→ Continue by setting up communication mode and connecting the camera and computer in Chapter 2 to complete installation.

If you were unable to successfully install the software using the procedure given in this manual, see "Troubleshooting" (W-70).

Preparation for Downloading Images

This chapter explains how to set up communication mode, 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-70).
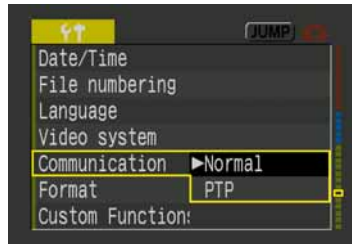
Setting the Communication Mode

To communicate with the camera using the software on the Solution Disk, set the camera's communication mode to [Normal].
- **The settings on this page are only necessary for the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**
- With the EOS 10D, you must change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

1 **Check that the camera is not connected to the computer and then set the camera's power switch to <ON>.**

2 **Set the camera's communication mode to [Normal].**
- Set [Communication] in menu to [Normal].
- With the EOS DIGITAL REBEL/300D DIGITAL, set [Communication] in menu option <𝔶𝔶2> to [Normal].

3 **Press the <MENU> button to switch the LCD monitor display off and then set the camera's power switch to <OFF>.**

- If you set the communication mode to [PTP], the Solution Disk software cannot communicate with the camera. When you are using the software, always set the communication mode to [Normal].
- When setting the communication mode, always ensure that the camera is not connected to the computer beforehand. Setting the communication mode while the camera is connected to the computer will cause camera and software malfunctions.

About the PTP Setting

The PTP function is only available to Windows XP users. This function provides a simple means of downloading JPEG images to your computer. To use this function, set [Communication] to [PTP] in step 2 above.
- For more information on using the PTP function to download JPEG images, see "Downloading JPEG Images Using the PTP Function in Windows XP" (W-12).

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 USB 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) and "Setting the Communication Mode" (W-8).

1 Plug the dedicated cable into the computer.

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

Preparation for Downloading Images
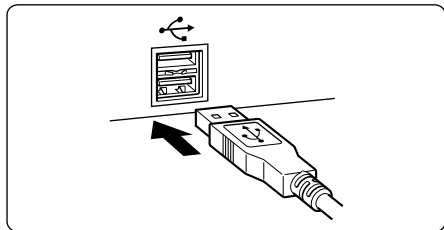
2 Plug the dedicated cable into your camera.

● Open the cover and connect the cable to the < DIGITAL > terminal with the [↔] icon facing the front of the camera.
● With the EOS D60 and EOS D30, connect by aligning the <▶> mark on the plug with the <▶> mark on the < DIGITAL > terminal.

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

Canon
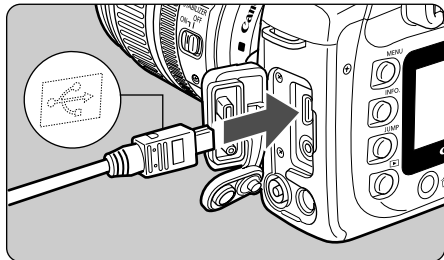
ⓘ **Found New Hardware** ✕
Canon Digital Camera
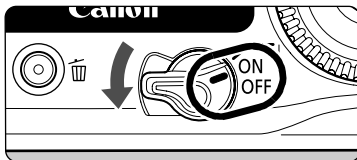
● When the pop-up menu appears and then disappears automatically, the installation is complete.

➜ For Windows 2000, Me, 98 SE, a dialog box such as [Found New Hardware] or [Building driver information database] may appear. If this is the case, installation will be completed when the dialog box disappears.

➜ 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 appears, restart your computer without fail.
● If you were unable to successfully install the software using the procedure given in this manual, see "Troubleshooting" (W-70).

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.

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 CF card slot cover.
 • Disconnect the dedicated cable, remove the battery, and then remove the AC adapter kit (optional) or DC coupler.
 • Disconnect the AC adapter's or DC coupler's plug or power cord.
 Before you perform the operations above, be sure to exit all the software.
● You cannot communicate with the camera when you are displaying images through the camera's LCD monitor. Always connect the camera and your computer after turning off the display in the LCD monitor.
● While the camera and your computer are communicating, the camera's LCD panel may blink.
● Use only the dedicated 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. If you do so, the camera may not operate correctly.
● If you connect multiple USB devices (excluding mouse and keyboard) to your computer the camera may not operate correctly. Disconnect other USB devices from your computer and connect only the camera.
● 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.
- When unplugging the dedicated cable, be sure to grip the sides of the plug as you pull it out.
  * If you are using the EOS D60 or EOS D30, pull the plug while pressing the PUSH button on it.
- 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 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 you connect the camera and your computer, it is recommended that you use an AC adapter kit (optional) with the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, and the DC coupler supplied with the EOS D60 and EOS D30.
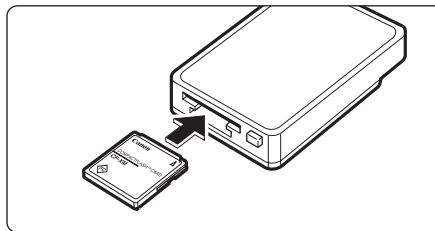
Using Your Card Reader

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 continuously.

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

Preparation for Downloading Images

Downloading JPEG Images Using the PTP Function in Windows XP ▉

Windows XP users can use the PTP (Picture Transfer Protocol) function. The PTP function allows you to download JPEG images saved on a memory card in the camera to your computer without having to start the software provided on the Solution Disk.

● **This function is available with the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL only.**
● With the EOS 10D, you must change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

1 **Set the camera's communication mode to [PTP]** (W-8).

- ● Set [Communication] in menu to [PTP].
- ● With the EOS DIGITAL REBEL/ 300D DIGITAL, set [Communication] in menu option <�箇2> to [PTP].
- ● Press the <MENU> button to clear the LCD monitor display.
- ● When you have finished, set the camera's power switch to <OFF>.
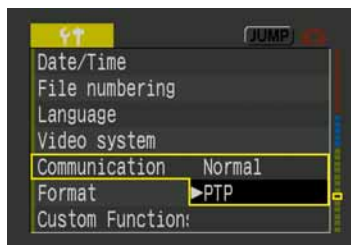
2 **Connect the camera to the computer and set the camera's power switch to <ON>** (W-9).

→ The [Scanner and Camera Wizard] dialog box appears.

3 **Download images as directed in the [Scanner and Camera Wizard] dialog box.**

→ For the procedure for downloading JPEG images using the [Scanner and Camera Wizard], refer to step 3 onwards in "Downloading with [Scanner and Camera Wizard]" (W-64).

🔆 Refer to the separate "Notes on the PTP Function" for details when the downloaded image does not display correctly or the image cannot be downloaded.

Working with Images in the EOS Viewer Utility

3

This chapter explains how to use the 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 the 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].

Starting the EOS Viewer Utility

1 **Connect the camera to your computer** (W-9).

→ 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 the EOS Viewer Utility by double-clicking the [EOSViewerUtility] icon on the desktop.

● The EOS Viewer Utility version information is displayed in xx.

Main window

Main window tool bar

Menu bar
Displays the [File], [Edit], [View], [Option], [Window], [Help] menus.

Path display
Displays the folder path selected in the Folder Tree Area.

Image information display area
Displays basic shot information.

Histogram
Shows the distribution of the brightness of an image. Selecting the tab switches the histogram display values between Brightness and RGB.

W

3

Working with Images in the EOS Viewer Utility

Status bar

Image display area

Comment input box (W-29)

Bookmark area (W-21)

Detailed Information display area (W-29)

Folder Tree Area (W-18)

RGB value display
When you move the cursor over an image, the coordinates of the cursor position and its RGB values (8-bit conversion) are shown here.

● To exit the EOS Viewer Utility, select the [File] menu ▶ [Exit].

Main window tool bar

Folder Tree button
Shows/hides the Folder Tree Area.

Show/Hide Image Information button
Shows/hides the histogram, image information display area,
Detailed Information display area, and comment input box.

Rotate right 90 degrees button (W-28)

Remove Check Mark button (W-26)

Remove protect button (W-28)

Erase images button (W-29)

Transfer images button (W-44)

Display Size
list box (W-24)

Medium

Thumbnail Frames button
Shows/hides the information
display frame of thumbnail images.

EOS Capture
button (W-54)

Save File button
(W-41)

Window button (W-27)

Select images button
(W-26)

Rotate left 90 degrees button (W-28)

IPTC information button
(W-47)

Add Check Mark button (W-26)

Protect button (W-28)

Play sound button
*This button does not work with
the camera you are using.

W-16

RAW adjustment tool palette

RAW adjustment

EOS xxx —— Displays the name of the camera on which the selected RAW images were taken.

Digital Exposure Compensation slider (W-33)*3 ——— Digital Exposure Compensation | 0.0 | -2 -1 0 +1 +2

Color temperature input box (W-35)*2, 3 ———
White Balance list box (W-34, W-35) ———
White Balance: *Auto* ▼ | 5200 K | 🖊 ——— Click White Balance button (W-36)

White Balance Compensation slider (W-37)*1, 2, 3 ———
B — A | 0 | 0
G — M | 0 | 0

Contrast: *Standard* ▼ ——— Contrast list box (W-37)

Standard radio button (W-38)*1, 2, 3 ——— ● Standard
Color Saturation: *Standard* ▼ ——— Color Saturation list box (W-38)
Color Tone: *0* ▼ ——— Color Tone list box (W-38)*3

Monochrome radio button (W-38)*1, 2, 3 ——— ○ Monochrome
Filter Effect: N:None ▼ ——— Filter Effect list box (W-39) *1, 2, 3
Toning Effect: N:None ▼ ——— Toning Effect list box (W-39) *1, 2, 3

Color Space: *sRGB* ▼ ——— Color Space list box (W-40)*2, 3

Sharpness: *Standard* ▼ ——— Sharpness list box (W-40)

Reset to Shot Settings ——— Reset to Shot Settings button (W-32)

Preview checkbox (W-32) ——— ☑ Preview | Update ——— Update button (W-32)

● 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.

*1 Not displayed with the EOS 10D and EOS DIGITAL REBEL/300D DIGITAL RAW images.

*2 Not displayed with the EOS D60 RAW images.

*3 Not displayed with the EOS D30 RAW images.

● Where you have selected a JPEG image or where you have selected a TIFF or JPEG image converted from a RAW image with the EOS Viewer Utility, nothing is displayed on the RAW adjustment tool palette and the image cannot be edited.

● Where you have selected a RAW image saved on the memory card inside the camera, nothing is displayed on the RAW adjustment tool palette and the image cannot be edited. Work with the images saved on your computer from the memory card.

● The settings used when shots were taken are displayed in italic or bold 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 the EOS Viewer Utility

W-17

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.)
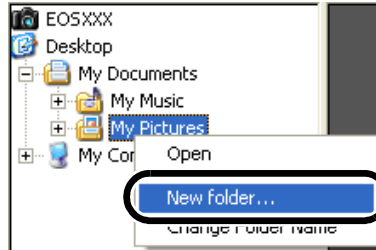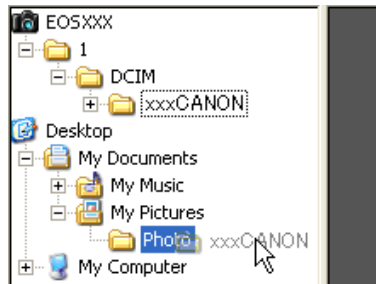
2 Display a folder to be copied.

● Double-click the camera icon ▶ the [1] folder ▶ the [DCIM] folder.

→ The [xxxCANON] folder is displayed. ("xxx" represents a number 100 to 999.)
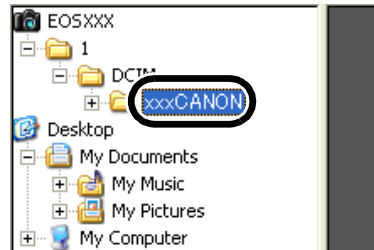
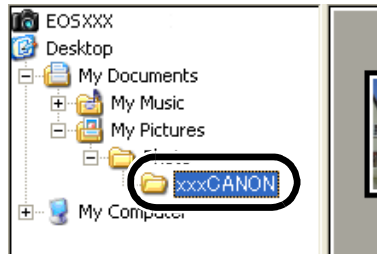## 3 Copy the folder to the hard disk.

● Drag and drop the [xxxCANON] folder to the destination folder.

→ The [xxxCANON] 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 the 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-22) or edit RAW images (W-31) saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.

● For displaying images saved in a third-party card reader, follow the same procedure to download the target folder to your computer.

Supported Image Formats

The images below can be displayed with the EOS Viewer Utility.

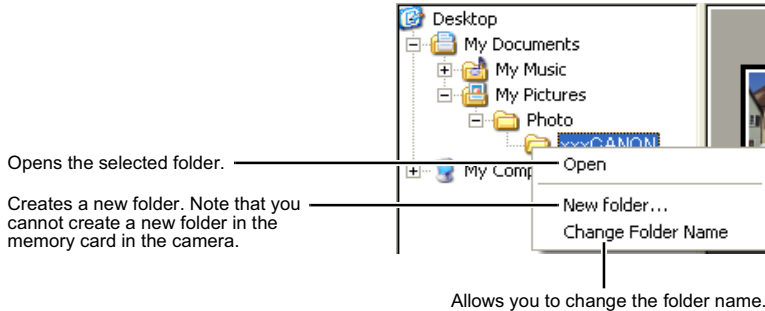| Image Format	File Extension
RAW images taken with the EOS-1D Mark II and the EOS 20D	.CR2
RAW images taken with the EOS-1Ds and the EOS-1D	.TIF
RAW images taken with the EOS 10D, DIGITAL REBEL/300D DIGITAL, D60 and D30	.CRW
JPEG images conforming with the Exif 2.2, 2.21 standard*	.JPG/.JPEG
TIFF images conforming with the Exif standard*	.TIF/.TIFF

* Includes TIFF and JPEG images converted from RAW images and saved with the EOS Viewer Utility.

● 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.

● By setting [Auto rotate] setting to <ON> for the camera with this function, images shot in a vertical position are automatically displayed vertically.

● If the selected folder contains a large number of images, there may be a short delay before the images appear.

3

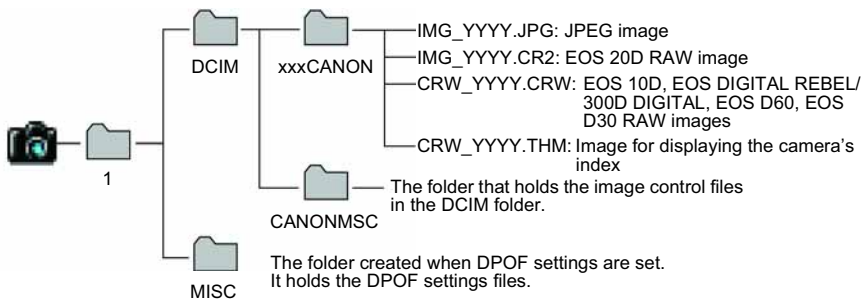Working with Images in the EOS Viewer Utility

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.

Opens the selected folder. ——— Open

Creates a new folder. Note that you ——— New folder...
cannot create a new folder in the
memory card in the camera.

Change Folder Name

Allows you to change the folder name.

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

Memory Card Folder Structure and File Names

DCIM   xxxCANON ——— IMG_YYYY.JPG: JPEG image
——— IMG_YYYY.CR2: EOS 20D RAW image
——— CRW_YYYY.CRW: EOS 10D, EOS DIGITAL REBEL/
                   300D DIGITAL, EOS D60, EOS
                   D30 RAW images
——— CRW_YYYY.THM: Image for displaying the camera's
                   index

1

CANONMSC ——— The folder that holds the image control files
             in the DCIM folder.

MISC ——— The folder created when DPOF settings are set.
         It holds the DPOF settings files.

● The "xxx" in the folder names represent a number between 100 to 999.
● The "YYYY" in the file names represent a number between 0001 to 9999.

📄 The file name of images shot with the EOS 20D is "_MG_" (the first character is an underscore) when Adobe RGB is set.

Registering Frequent Use Folder

You can register frequent use folders as bookmark folders.

1 Display a folder to be registered (W-18).

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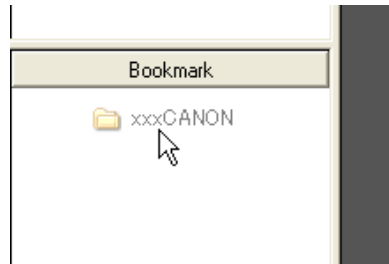
> ● You can also reorder the folders in the Bookmark area by dragging and dropping them.
> ● When you delete the registered folder, it just disappears from the Bookmark area. The actual data of the folder and the images in that folder will not be deleted.

Working with Images in the EOS Viewer Utility

W

3

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.

Display number —
Numbers are assigned sequentially to the displayed images starting with the first image.

Digital exposure compensation value (W-33)

Recording quality
The [RAW] and [RAW+JPEG] symbols are displayed for RAW and RAW+JPEG images respectively. No symbol is displayed for JPEG images.
*Only images taken with the EOS 20D in RAW+JPEG format display the [RAW+JPEG] symbol.

File name or shooting date/time
The items selected in the [Image Lower Display Item] list box in the [Preferences] dialog box (W-46) are displayed.

Protect mark (W-28)
This mark is displayed on protected images.

Check mark (W-26)
This mark is displayed on images for which a check mark was attached.
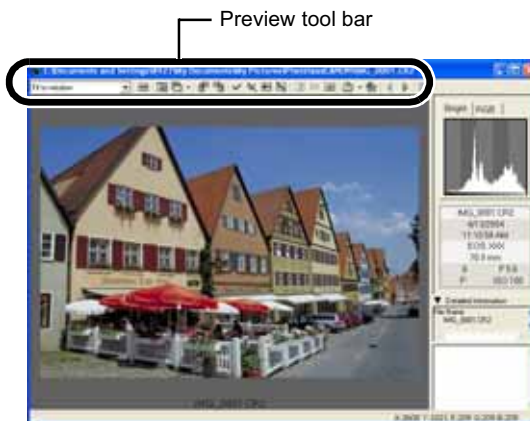
Preview Window Display

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.

- The preview window can display a maximum of six previews.
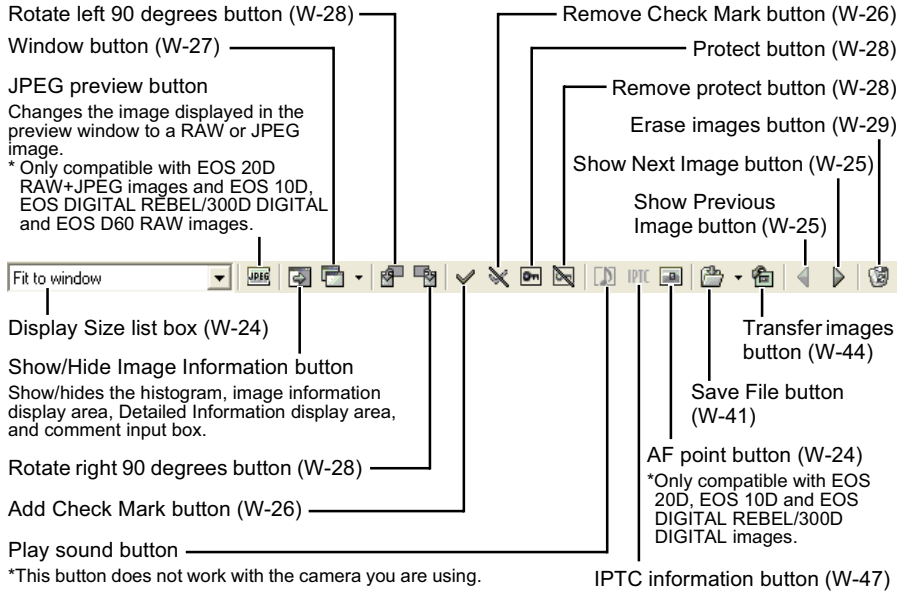- A low resolution image is displayed first in the preview window, and then it changes to a high resolution image.

Preview window

Preview tool bar

RAW adjustment tool palette

Preview tool bar

Rotate left 90 degrees button (W-28)

Window button (W-27)

JPEG preview button
Changes the image displayed in the preview window to a RAW or JPEG image.
* Only compatible with EOS 20D RAW+JPEG images and EOS 10D, EOS DIGITAL REBEL/300D DIGITAL and EOS D60 RAW images.

Remove Check Mark button (W-26)

Protect button (W-28)

Remove protect button (W-28)

Erase images button (W-29)

Show Next Image button (W-25)

Show Previous Image button (W-25)

| Fit to window | ▼ | JPEG | | ▼ | | | ✓ | ✗ | o¬ | ⊠ | ♪ | IPTC | ▣ | ⌂ ▼ | ⊟ | ◁ | ▷ | 🛈 |

Display Size list box (W-24)

Show/Hide Image Information button
Show/hides the histogram, image information display area, Detailed Information display area, and comment input box.

Rotate right 90 degrees button (W-28)

Add Check Mark button (W-26)

Play sound button
*This button does not work with the camera you are using.

Transfer images button (W-44)

Save File button (W-41)

AF point button (W-24)
*Only compatible with EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL images.

IPTC information button (W-47)

🚫 You cannot display images in the preview window or edit RAW images (W-31) saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.

📝 ● For some images, it may take some time to change to the high resolution image.
● You can set the image displayed in the preview window to RAW image or the simultaneously recorded JPEG image (W-46).
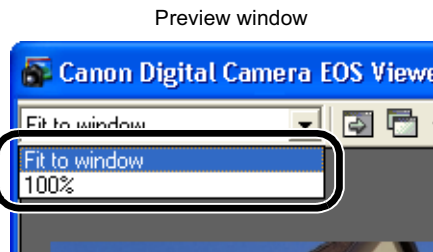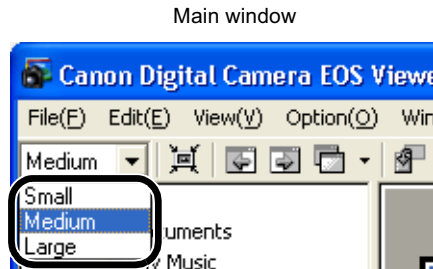
W

3

Working with Images in the 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 × 42 pixels), [Medium] (100 × 66 pixels), and [Large] (160 × 106 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

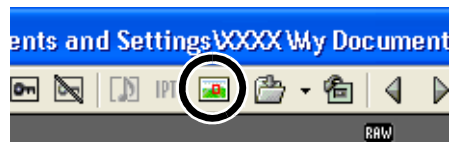# Checking the AF Point

The AF point used when the shot was taken can be displayed.
● **This function is only available with images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**

1 **Display the image in the preview window** (W-22).

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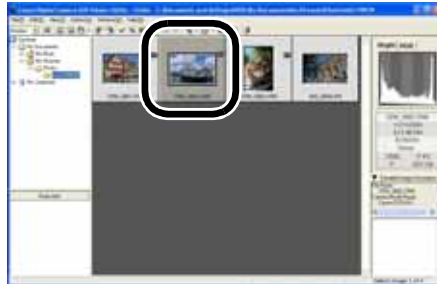
Alternatively, you can use the arrow keys (↑←→↓) on the keyboard to select images.

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 [Show Previous Image] button or the [Show Next Image] button to select the image to be displayed.
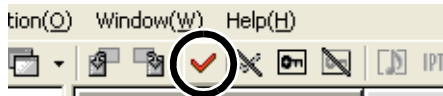
Attaching Check Marks to Images

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.

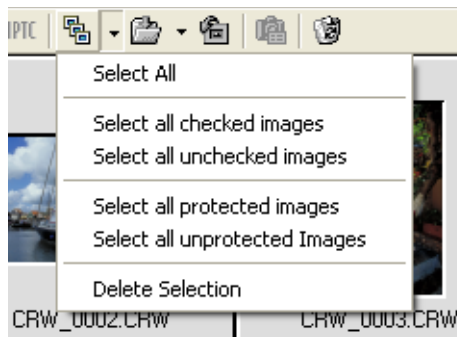🛇 You cannot attach the check mark for any images other than RAW images.

📓 ● 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.

Select All

Select all checked images
Select all unchecked images

Select all protected images
Select all unprotected Images

Delete Selection

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.
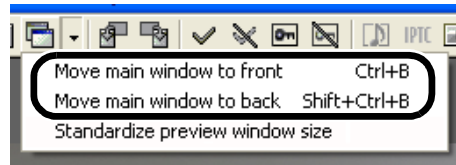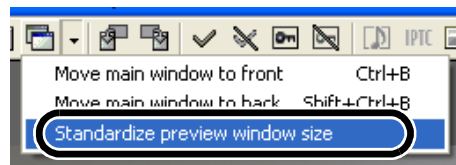

Equalizing the Display Sizes in the Preview Window

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

1 Select the image whose size is the desired size (W-25).

2 Click [Standardize preview 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 the EOS Viewer Utility

Editing Images

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

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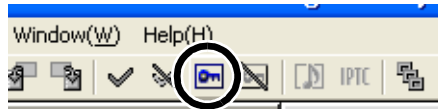
Protecting Images

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.

● By setting [Auto rotate] setting to <ON> for the camera with this function, images shot in a vertical position 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.
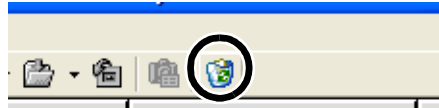
2 Select [Empty Recycle Bin] from the menu that appears by right-clicking [Recycle Bin] on the desktop.

→ 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-28) to prevent them from being accidentally deleted.
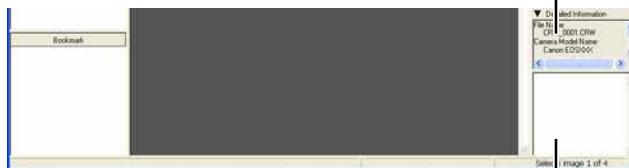
Alternatively, you can perform the same operation using the menu that appears by right-clicking.

Checking the Image Information and Entering Comments

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

Detailed 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 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 the EOS Viewer Utility

Printing Images

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

1 **Select images to be printed in index format** (W-25).

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 software

When the images are processed, it takes a while to display them.

● Approximate processing times

Operation Details / Camera Model	Switching from the main window to the preview window	Transferring an image to the specified retouching software
EOS 20D	Approx. 3 sec.	Approx. 35 sec.
EOS 10D	Approx. 2 sec.	Approx. 30 sec.
EOS DIGITAL REBEL/ 300D DIGITAL	Approx. 2 sec.	Approx. 30 sec.
EOS D60	Approx. 3 sec.	Approx. 30 sec.
EOS D30	Approx. 2 sec.	Approx. 20 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-22) or edit RAW images saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.

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 (W-41) or is transferred to retouching software (W-44).
● The procedure below is an operating method in the preview window, but you can set processing parameters with the same operation in the main window also. However, in the main window, you cannot click the [Preview] checkbox and the processing parameters you have set are immediately reflected in the image.

**1** **Display the RAW images in the preview window (W-22).**

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

2 **Specify the processing parameters (W-33 to W-40).**

● 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.

3 **Click the [Update] button.**

→ The RAW images are processed according to the specified processing parameters.

Reset to Shot Settings

☑ Preview   Update
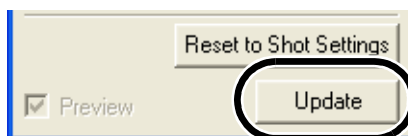
4 **Save (W-41) or transfer images (W-44).**

The processing parameters set with the EOS Viewer Utility in the RAW images of a camera other than the EOS 20D are cancelled when you exit the EOS Viewer Utility, and are reset to the processing parameters for when shooting. Either convert the RAW image specified with the processing parameters to a TIFF or JPEG image and save (W-41), or transfer to retouching software (W-44) and save.

When multiple images are selected in the main window, the specified processing parameters are applied to all the selected RAW images.

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.
● **This function is only available with RAW images of the EOS 20D, EOS 10D, EOS DIGITAL REBEL/300D DIGITAL and EOS D60.**

Drag the slider left or right to adjust the brightness.

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

Digital Exposure Compensation

-2   -1   0   +1   +2   0.0
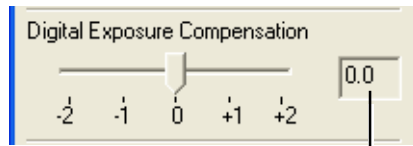
Adjustment value set with the slider.

W

3

Working with Images in the EOS Viewer Utility

Adjusting the White Balance

You can adjust the white balance in the images.

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.

● [Shade] and [Color temperature] are not displayed for the EOS D60 and EOS D30 RAW images.

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 white fluorescent light.	Approx. 4000
Flash	When flash is used.	Approx. 6000
Color temperature	You can manually set color temperature for 2800 to 10000K (in 100K increments) (W-35).	Approx. 2800 to 10000

*   Approximately 5500 with the EOS D30 RAW images.

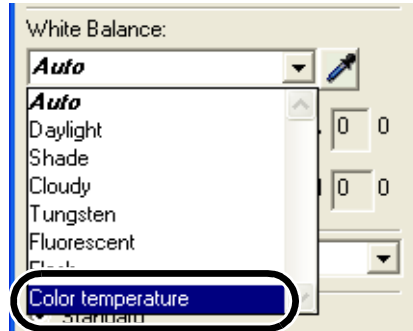→ The selected white balance is specified in the RAW adjustment tool palette.

Specifying the Color Temperature

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

● **This function is only available with RAW images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**

1 **Select [Color temperature] from the list box.**

2 **Enter a color temperature.**

● Enter the color temperature in the [Color temperature] input box in the range of 2800K to 10000K (in 100K increments).

→ The entered color temperature is specified in the RAW adjustment tool palette.

W

3

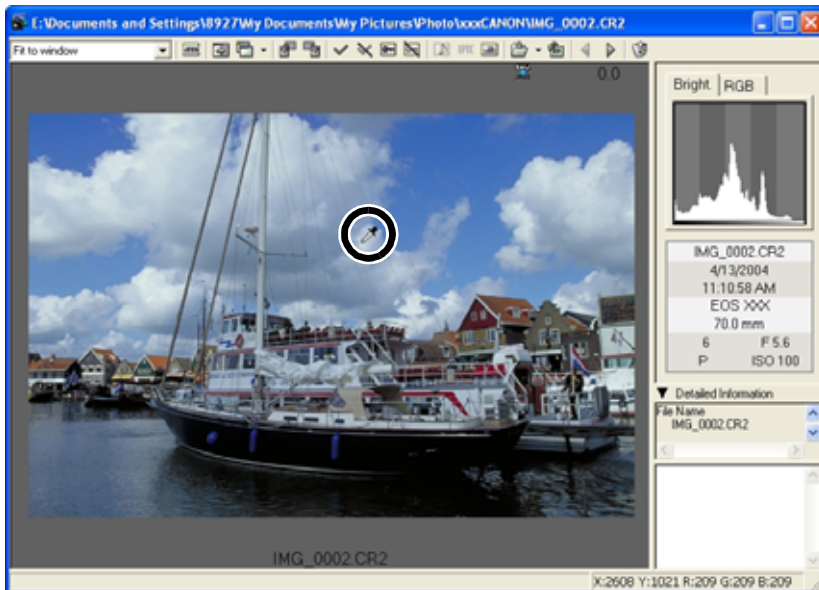Working with Images in the EOS Viewer Utility

Click White Balance Function

Makes white the standard for the part you have selected and automatically adjusts the white balance.

1 **Click the [Click White Balance] button.**

→ When you move the cursor over the image, the cursor [⬚] changes to [🖊].
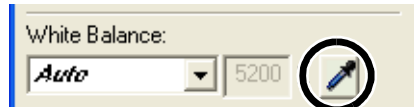
2 **Click the part where white is to be the standard.**

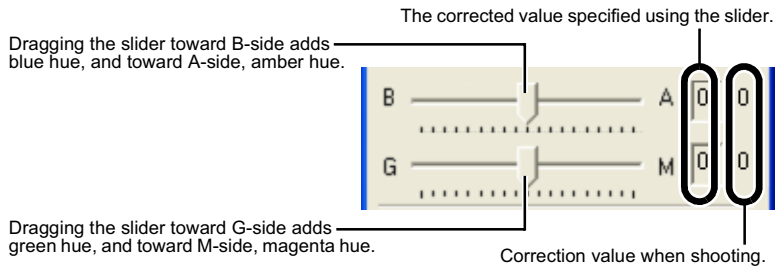→ The white balance is adjusted so that the point clicked appears white.

- When you use Click White Balance Function, even though you do not click the [Preview] checkbox, the adjusted white balance is applied to the images.
- When you use Click White Balance Function, [Click WB] is displayed in the [White Balance] list box.
- You can adjust by selecting the neutral gray parts of the image.

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.

● **This function is only available with the EOS 20D RAW images.**

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

The corrected value specified using the slider.

Dragging the slider toward B-side adds blue hue, and toward A-side, amber hue.

Dragging the slider toward G-side adds green hue, and toward M-side, magenta hue.

Correction value when shooting.

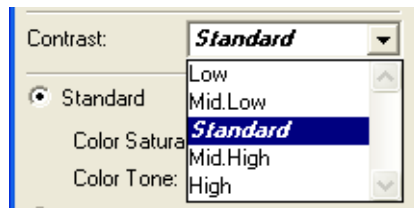→ The corrected value is specified in the RAW adjustment tool palette.

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)

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.

● [Mid.Low] and [Mid.High] are not displayed for the EOS D60 and EOS D30 RAW images.

Contrast: **Standard**

Low
Mid.Low
○ Standard   **Standard**
  Color Satura Mid.High
  Color Tone: High

Working with Images in the EOS Viewer Utility

Color Adjustment

Select the color adjustment options with the radio buttons to make each type of adjustment.
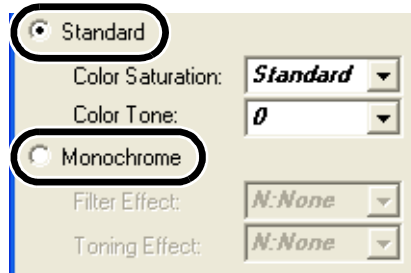● **Selecting of color adjustment options is only available with EOS 20D RAW images.**

Select the [Standard] radio button or the [Monochrome] radio button.

➡ With the radio button you have
   selected, you can make the
   following color adjustments. Also,
   if you select [Monochrome], the
   image will become monochrome.
   [Standard]: Color Saturation, Color
                  Tone
   [Monochrome]: Filter Effect,
                     Toning Effect
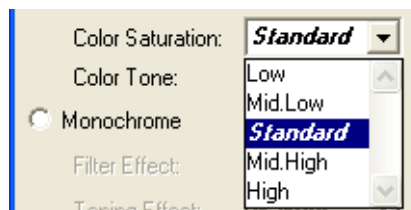● See the section below for
   adjustment methods.

Selecting the Color Saturation

Select a setting from the list box.

➡ The selected setting is specified in
   the RAW adjustment tool palette.
● [Mid.Low] and [Mid.High] are not
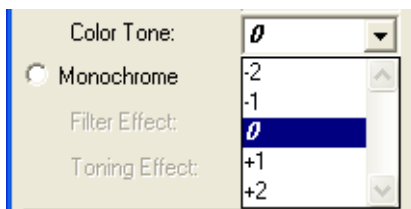   displayed for the EOS D60 and
   EOS D30 RAW images.

Adjusting the Color Tone
● **This function is only available with RAW images of the EOS 20D, EOS 10D, EOS
   DIGITAL REBEL/300D DIGITAL and EOS D60.**

Select a setting from the list box.

➡ The selected setting is specified in
   the RAW adjustment tool palette.
● The more negative the value, the
   redder the image becomes, and
   the more positive the value, the
   more yellow.
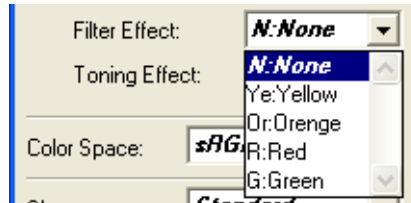● [–2] and [+2] are not displayed for
   the EOS D60 RAW images.

Filter Effect

● **This function is only available with EOS 20D RAW images.**

Select a setting from the list box.

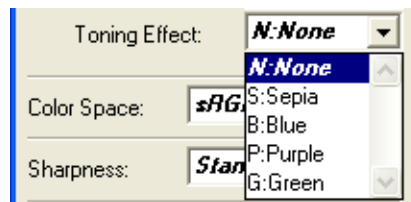→ The selected setting is specified in the RAW adjustment tool palette.

Filter Effect:	N:None ▼
Toning Effect:	N:None
	Ye:Yellow
	Or:Orenge
Color Space:	sRG R:Red
	G:Green

Toning Effect

● **This function is only available with EOS 20D RAW images.**

Select a setting from the list box.

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

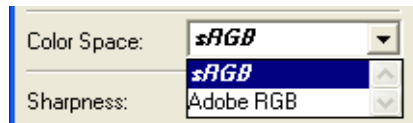| Toning Effect:	N:None ▼
	N:None
Color Space:	sRG S:Sepia
	B:Blue
	P:Purple
Sharpness:	Stan G:Green

Specifying the Color Space

You can set the color space of the images you have taken.
● **This function is only available with RAW images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**

Select a setting from the list box.

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

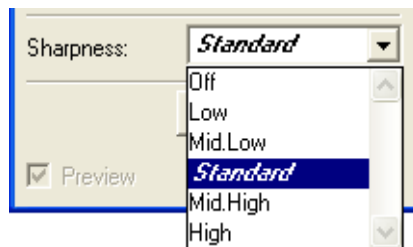| Color Space:	sRGB ▼
	sRGB
Sharpness:	Adobe RGB

📝 ● The specified color space is recorded in the ICC profile attached to a TIFF image converted and saved from a RAW image (W-41).
   ● An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.

Selecting the Sharpness

You can adjust the edge sharpness of an image.

Select a setting from the list box.

● Higher values give higher levels of edge sharpening.
● [Mid.Low] and [Mid.High] are not displayed for the EOS D60 RAW images.
● [Off], [Mid.Low] and [Mid.High] are not displayed for the EOS D30 RAW images.
➡ The selected setting is specified in the RAW adjustment tool palette.

Sharpness:	Standard ▼
	Off
	Low
	Mid.Low
	Standard
☑ Preview	Mid.High
	High

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-40) is attached to each of images as the ICC profile automatically.

1 **Select images to be saved (W-25).**

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.**

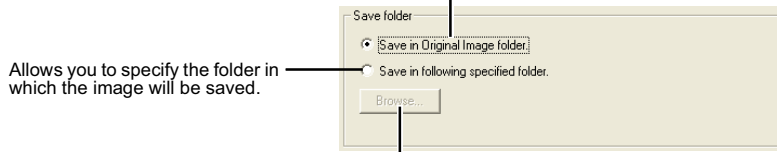→ The images are saved in the selected folder.

Applies the settings and saves the image.

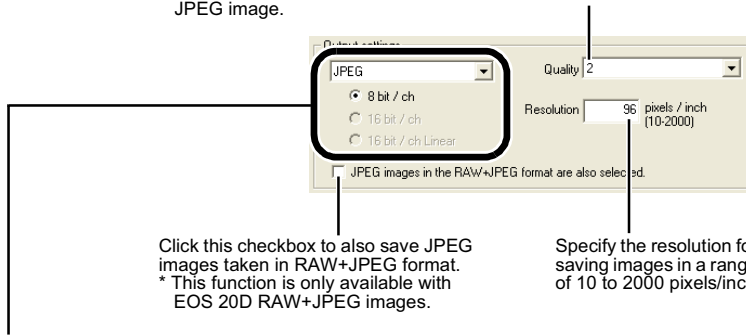Restores the settings to their original ones and closes the [Save File] dialog box.

📓 ● When you convert RAW images to the TIFF images and save them, the ICC profile is attached to each of images automatically. An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.
● Alternatively, you can perform the same operation using the menu that appears by right-clicking.

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.

Click this checkbox to also save JPEG images taken in RAW+JPEG format.
* This function is only available with EOS 20D RAW+JPEG images.

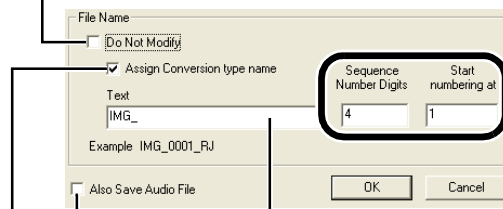Specify the resolution for saving images in a range of 10 to 2000 pixels/inch.

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	EOS 20D	.CR2
	EOS 10D, EOS DIGITAL REBEL/300D DIGITAL, EOS D60, EOS D30	.CRW
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.

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.

* This button does not work with the camera you are using.

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

Extracting JPEG Images from RAW Images

- ● A JPEG image simultaneously recorded with a RAW image can be extracted and saved.
- ● **This function is only available with RAW images of the EOS 10D and EOS DIGITAL REBEL/300D DIGITAL and EOS D60.**
- ● The EOS DIGITAL REBEL/300D DIGITAL and EOS D60 simultaneously record a Middle/ Fine JPEG image and the EOS 10D simultaneously records the JPEG image set up in the camera.
- ● The contents that can be set are the same as [Save folder] and [File Name] of "Saving Images" (W-41).

1 **Select the RAW image from which a JPEG image is to be extracted.** (W-25)

2 **Click the [Save File] button and select [Extract Save JPEG] from the menu that appears.**

→ The [Extract & save JPEG] dialog box appears.

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

→ The JPEG image is saved in the selected folder.

Working with Images in the EOS Viewer Utility

Transferring Images to Retouching Software

You can transfer the images displayed in the 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.

Image Transfer

Image Transfer Application

Name:

Browse...

○ Save in Original Image folder.

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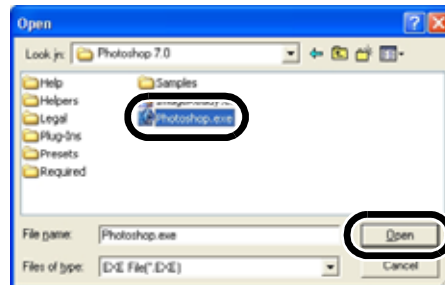
4 **Select the radio button and then select a folder in which the images to be transferred will be saved.**

The images to be transferred are saved —————— ○ Save in Original Image folder.
as new images in the same folder.

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

Browse

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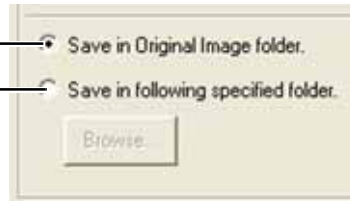
5 **Specify [Output settings] and [File Name] and then click the [OK] button.**

● See "Saving Images" (W-41) 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-40) 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.

3

Working with Images in the EOS Viewer Utility

Specifying the Preferences

You can specify the preferences for the EOS Viewer Utility.

1 **Select the [File] 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.

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

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

Restores the settings to their original ones and closes the [Preferences] dialog box.
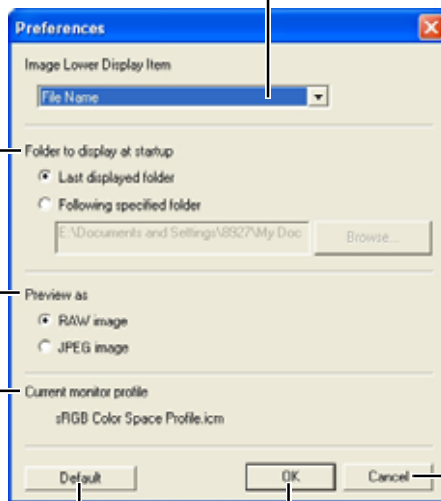
Restores the settings to the default settings.

Applies the settings and closes the [Preferences] dialog box.

Displays the monitor profile set in the operating system. Settings are made in the operating system.

Select whether the image displayed in the preview window is the RAW image or the simultaneously recorded JPEG image.
* Only compatible with EOS 20D RAW+JPEG images and EOS 10D, EOS DIGITAL REBEL/300D DIGITAL and EOS D60 RAW images.

You can also select in the preview window whether the image displayed is the RAW image or the simultaneously recorded JPEG image (W-22).

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 the 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 or a TIFF image (W-25).

2 Click the [IPTC information] button.

→ The [IPTC information] dialog box appears.

3 Enter information (W-48, W-49).

● 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.
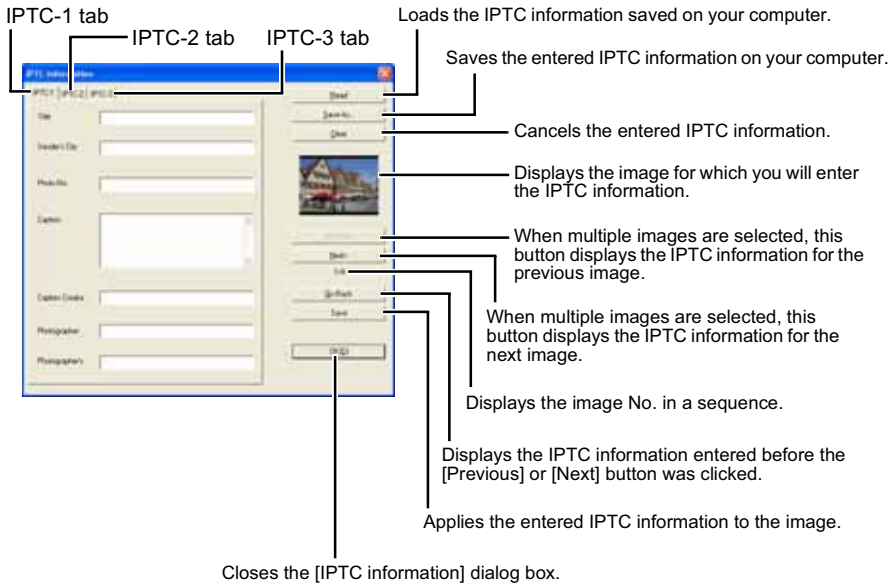
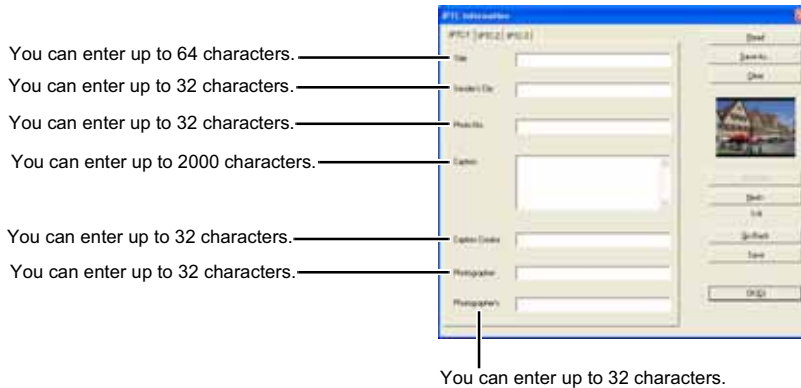## 5 Click the [OK] button.

→ The [IPTC information] dialog box closes.

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

IPTC-1 tab

IPTC-2 tab   IPTC-3 tab

Loads the IPTC information saved on your computer.

Saves the entered IPTC information on your computer.

Cancels the entered IPTC information.

Displays the image for which you will enter the IPTC information.

When multiple images are selected, this button displays the IPTC information for the previous image.

When multiple images are selected, this button displays the IPTC information for the next image.

Displays the image No. in a sequence.

Displays the IPTC information entered before the [Previous] or [Next] button was clicked.

Applies the entered IPTC information to the image.

Closes the [IPTC information] dialog box.

Settings on the [IPTC-1] tab sheet

You can enter up to 64 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.

You can enter up to 2000 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.

You can enter up to 32 characters.

W-48

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.

W

3

Working with Images in the EOS Viewer Utility

W-49

Specifying the Camera Settings

You can specify the owner's name and data/time in the camera.

1 **Connect the camera to your computer (W-9).**

→ 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.
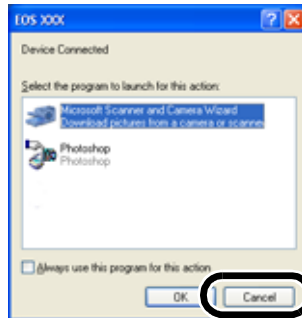
2 **Start up the EOS Viewer Utility (W-14).**

3 **Select the [Options] menu ▶ [Camera Settings].**

→ The [Camera Settings] dialog box appears.

4 Specify the 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 AC Adapter Kit (optional) or DC Coupler, [🔌] 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. You can also initialize the memory card by clicking the [Format] button.

Applies the settings that you have specified to the camera and closes the [Camera Settings] dialog box.

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

● With the EOS D30, the [Parameters] button is displayed. For details on [Parameters], refer to the Software Instruction Manual supplied with your camera.

5 Click the [OK] button.

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

🚫 Formatting a memory card deletes all the data on the card. Because formatting also deletes protected images, you should check the data recorded on the card carefully before proceeding.

W

3

Working with Images in the EOS Viewer Utility

Merging Images with the 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.**

→ The PhotoStitch starts up.

● Follow the instructions in the guidance window to merge the images.

● Refer to the PhotoStitch Help menu for more details.

● You cannot merge RAW images in the PhotoStitch.

● Up to four images can be merged using the PhotoStitch.

● You will need QuickTime 3.0 or later to save merge images made using the PhotoStitch in the QuickTime VR format. If QuickTime 3.0 or later is not already installed on your computer, obtain and install it separately.

Remote Shooting in the EOS Capture

4

This chapter describes how to use the EOS Capture for taking shots and specifying the camera settings remotely from your computer.

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

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

● **Remote shooting in the EOS Capture is only available with the EOS 20D.**

Starting the EOS Capture

● **Remote shooting in the EOS Capture is only available with the EOS 20D.**

1 **Connect the camera to your computer (W-9).**

→ 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.
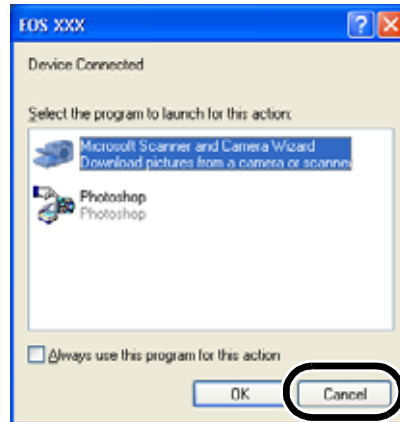
2 **Start up the EOS Viewer Utility (W-14).**

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-18). (The [Capture] folder is created in the [My Pictures] folder here as an example.)
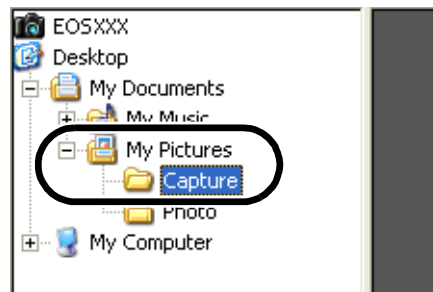
4 **Click the [EOS Capture] button.**

→ The EOS Capture main window appears.

W-54

EOS Capture main window

Allows you to check and specify the camera settings (W-59).

Rotate button
The image is downloaded, rotating 90 degrees each time you click the button, regardless of the vertical or horizontal position of the camera.
* To use the rotation function, click [Rotate Image] checkbox in [Save settings] dialog box (W-62).

⊗ button (W-61)
Shows/hides the white balance adjustment dialog box.

Release button (W-56)

Status
Displays the status while specifying the settings.
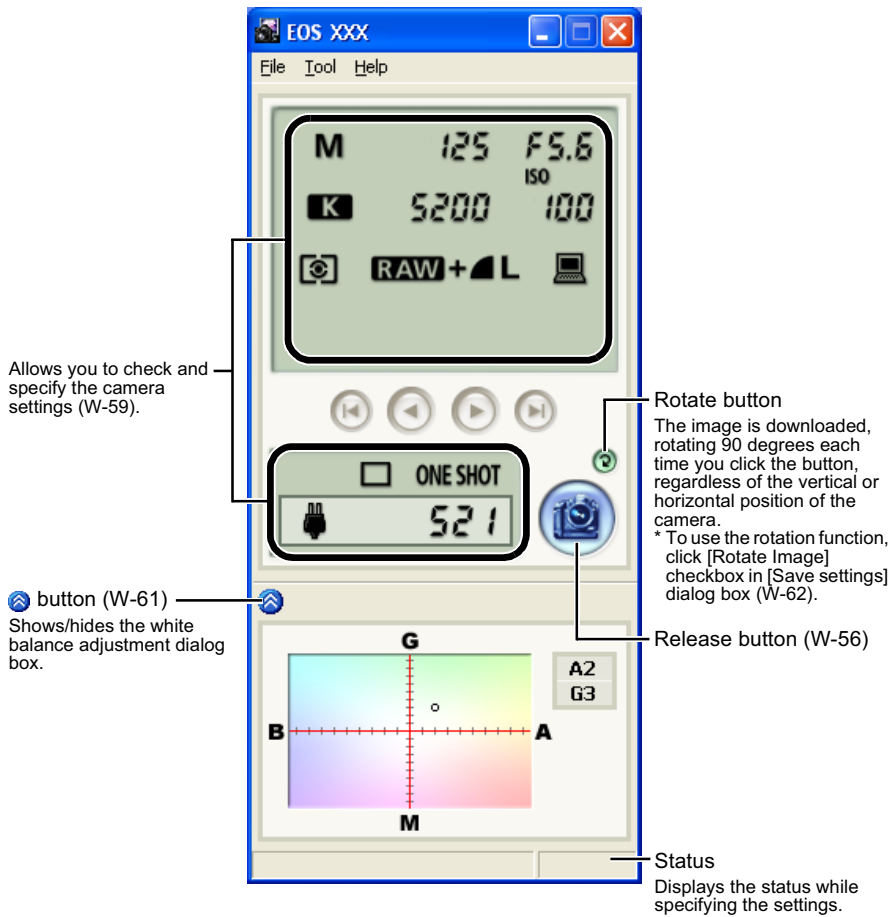
5 **Click the [Release] button to take a shot (W-56).**

● To exit the EOS Capture, select the [File] menu ▶ [Exit].

The EOS Capture operates in conjunction with the EOS Viewer Utility. Therefore, when you exit the EOS Viewer Utility, the EOS Capture also exits.

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.

Single-frame Shooting

1 **Set the camera up ready to shoot.**

2 **Make various settings.**
- See "Camera Settings" (W-59) and "White Balance Adjustment" (W-61) for information on how to specify the camera settings.
- See "Specifying the Save Destination" (W-62) for information on how to specify the settings for saving images.

3 **Click the [Release] button.**
→ The shot images are displayed in the EOS Viewer Utility and saved in your computer automatically.

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 explained.

Alternatively, you can press the space bar to shoot.

Approximate Transfer Time for Shooting RAW Images

EOS 20D	Approx. 5 seconds

- **The transfer time given here is only an approximation. Actual transfer time varies widely depending on the images and the computer system.**
- The time for images shot in JPEG format will be shorter than those shown above.
- Transfer time is 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 cannnot 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-59).

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.
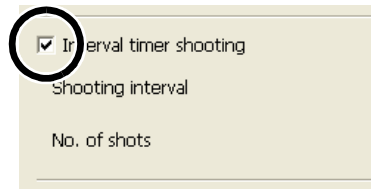
→ Timer shooting shots are taken.

W-57

Remote Shooting in the EOS Capture

4

W

Interval Timer Shooting

1 **Select the [Tool] menu ▶ [Timer shooting].**

→ The [Timer shooting setting] dialog box appears.

2 **Click the [Interval timer shooting] checkbox.**

☑ Interval timer shooting

Shooting interval

No. of shots

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.

Timer shooting setting

Keep the following for prolonged shooting using interval timer shooting.
Use household AC outlets for the camera and PC.
Release the PC's power-saving function.

Delay setting
Delay time   0 : 10

☑ Interval timer shooting
Shooting interval   1 : 0
No. of shots   2

OK   Cancel

� 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.

Camera Settings

You can check and specify the camera settings.

1 **Check the camera settings.**

Shutter speed
Displays/specifies Tv (shutter speed).
(Not displayed when Aperture-priority AE or Program AE is specified for the shooting mode)

Aperture value
Displays/specifies Av (aperture value).
(Not displayed when Shutter-priority AE or Program AE is specified for the shooting mode)

Color temp.
Specify the color temperature in a range of 2800K to 10000K.

Shooting mode
Displays the shooting mode.

ISO Speed
Displays/specifies the ISO speed.

White Balance
Displays/specifies the white balance.

Image recording quality
Displays/specifies the image recording quality.

Metering mode
Displays/specifies the settings of the metering mode.

Save destination display
Displays the destination folder to which images will be saved. (When you click the [Save also on the camera's memory card] checkbox, the camera/PC icon is displayed, and when you uncheck the checkbox, the PC icon is displayed.)

Exposure compensation
Displays/specifies the exposure compensation value.

Bracket shots
Displayed when any of WBB/AEB/FEB is specified.

Drive mode
Displays the drive mode.

AF mode
Displays the AF mode.

Battery status
When you are using a battery, [▭] is displayed. When you are using the AC Adapter Kit (optional) or DC Coupler Kit, [🔌] is displayed.

Shots to Go
Displays the number of available shots.

Warning display
Displayed when the remote shooting is impossible due to inappropriate 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.

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.

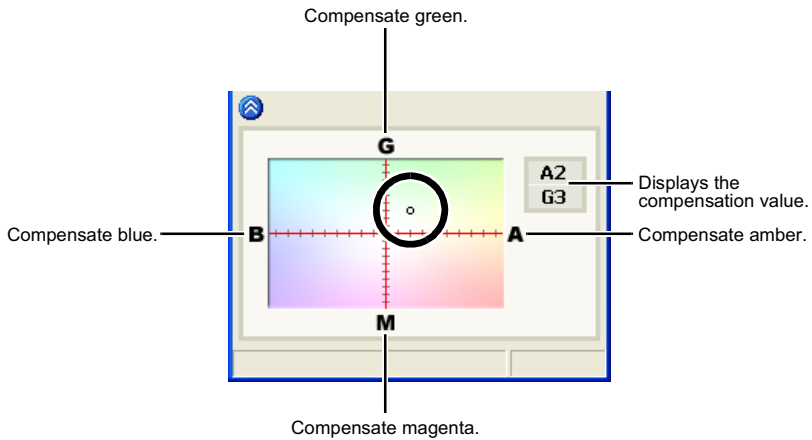→ The changed settings are applied to the camera.

● 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.

● Set functions which you cannot set with EOS Capture (drive mode, AF mode etc.) in the camera.

W-60

White Balance Adjustment

You can compensate white balance with the blue/amber/green/magenta digital filter.

● If the dialog box has not appeared, click the [⚇] button.

Click the compensation position.

Compensate green.

Displays the compensation value.

Compensate blue.

Compensate amber.

Compensate magenta.

→ The changed settings are applied to the camera.

W

4

Remote Shooting in the EOS Capture

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 also 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.
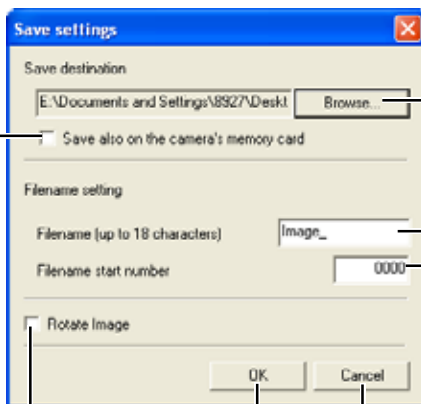
Use this field to enter a file name when saving an image. The file name can consist of up to 18 characters.

Enter a sequential number with a range of 0000 to 9999 that is added to the end of the file name.

Cancels all the settings, and restores the settings to their original ones.

Applies the settings and closes the [Save settings] dialog box.

Click the checkbox to enable use of the rotation function (W-55).

W-62

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

You can download JPEG images using the [Scanner and Camera Wizard] dialog box, Explorer or WIA TWAIN. Windows XP users can use the same procedure to download JPEG images using the PTP function (W-12).

● **See Chapter 3 to download RAW images.**
● The camera name is shown in the operation screens as "EOS XXX".

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-9).**

→ 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.
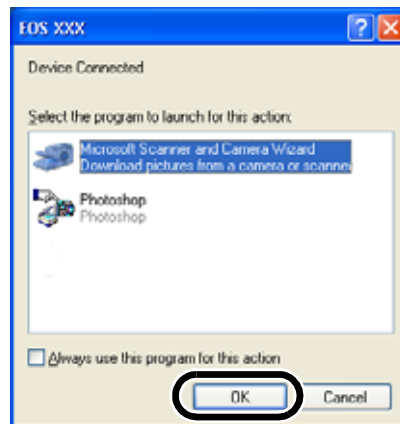
3 **Click the [Next] button.**

→ The [Choose Pictures to Copy] dialog box appears.

→ For Windows Me, the [Picture Selection] dialog box appears.

W-64

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

→ The [Picture Name and Destination] dialog box appears.

→ For Windows Me, the [Picture Destination] dialog box appears.
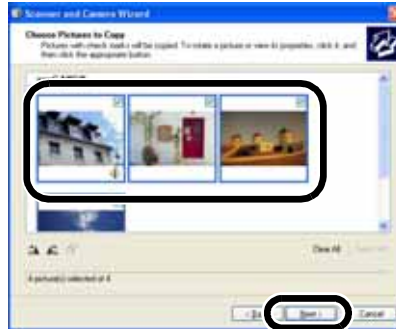
5 **Select the destination folder, enter the file name and click the [Next] button.**

→ 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.

W

5

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-9).**

→ 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 and then click the [xxxCANON] folder (For Windows Me, double-click the [xxxCANON] folder). ("xxx" represents a number 100 to 999.)

● With the EOS D60 and EOS D30, click the camera icon.

→ The camera's images will be displayed as thumbnails in the Explorer view.
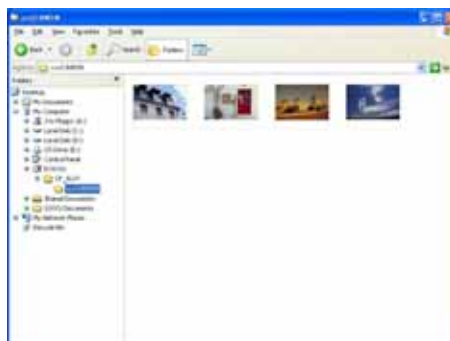
3 **Save the image.**

● Drag and drop the image to the folder in the Explorer view.

→ The image is saved.
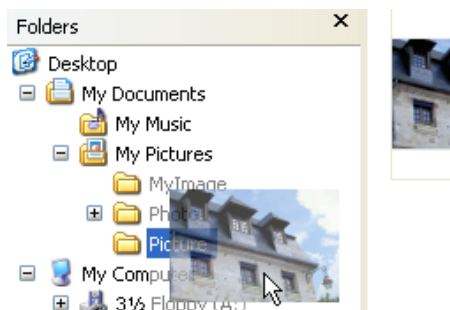
If you attempt to use Remote Shooting while you are using Explorer to display images on the camera, the Remote Shooting function may not operate correctly.

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-9).

→ 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.

W

5

Downloading JPEG Images with the Driver

W-67

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.**
● The camera name is shown in the operation screens as "EOS XXX".
● Refer to the Software Instruction Manual supplied with the camera for information about the TWAIN Driver for the EOS D60 and EOS D30.

1 **Connect the camera to your computer** (W-9).

→ 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 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

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-9).

● **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

● **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 a USB port.
  * Operation is not guaranteed when a 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-9).

● **Is the correct communication mode selected on the camera?**

→ When using the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, set the camera's communication mode to [Normal]. (W-8) With the EOS 10D, you must also change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

● **Is there sufficient charge left in the camera battery?**

→ Your computer does not supply power to the camera. With the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, connect to the camera with an AC Adapter Kit (optional). With the EOS D60 and EOS D30, Connect to the camera with the DC Coupler supplied. 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.
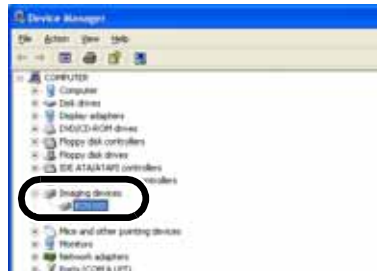
W

6

Troubleshooting and Uninstallation

● **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-9) and open [Device Manager] (W-73). 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-75).

    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-75).

    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-9) and open [Device Manager] (W-73). 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.
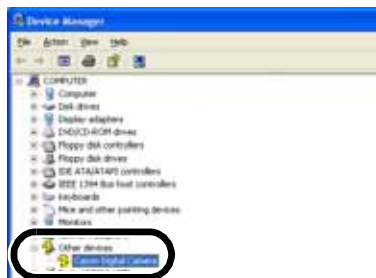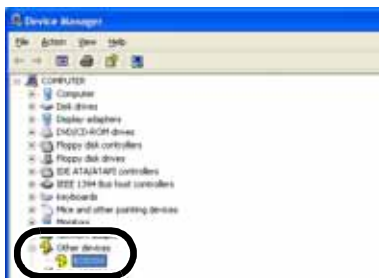
→ If the connected camera or [Canon Digital Camera] is displayed in [Other devices] or [Unknown devices], the driver was not installed correctly. Use the following procedure to re-install the driver.

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-75).

3 Re-install the driver (W-4).

I connected the camera to the computer before installing the software

● **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-9).

→ 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-9).

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.

W

6

Troubleshooting and Uninstallation

Uninstalling the Software

● Before beginning the 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 the EOS Viewer Utility as an example for uninstalling other programs as well.

● For Windows XP Professional or Windows 2000, log in using computer Administrator privileges.
● Before beginning the uninstallation, exit all programs you are using and disconnect the dedicated cable from your computer.
● 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].**

● The 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

This section explains how to uninstall the EOS 20D driver. For cameras other than the EOS 20D, please refer to the Software Instruction Manual supplied with the camera.

● For Windows XP Professional or Windows 2000, log in using computer Administrator privileges.
● Before beginning the uninstallation, exit all programs you are using and disconnect the dedicated cable from your computer.
● 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 Restart the computer

● When the dialog box on the right appears, select [Yes, I want to restart my computer now.] radio button and click [Finish] button.
→ When the computer is restarted, uninstalling of the driver is completed.

6

Troubleshooting and Uninstallation

W-75

Index

W

6

Troubleshooting and Uninstallation

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.

System Requirements

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

OS	Mac OS X 10.1 to 10.3, Mac OS 9.0 to 9.2
Computer	Macintosh with one of the above OS installed and a USB port as a standard feature * Users of first-generation iMacs require a firmware update.
CPU	Power PC
RAM	Mac OS X 10.1 to 10.3: Minimum 256 MB Mac OS 9.0 to 9.2: Minimum 128 MB
Interface	USB 1.1 to 2.0 Hi-Speed*
Hard disk space	EOS Viewer Utility: 100 MB or more EOS Capture: 300 MB or more PhotoStitch: 30 MB or more
Display	Resolution: 1024 × 768 or more Colors: Thousands or more

● **The EOS Capture is only compatible with Mac OS X.**
● **Because the EOS Viewer Utility for Mac OS 9 has no function for communication with the camera, you cannot download images from the camera (M-18) or specify camera settings (M-50).**
● 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.
* Only the EOS 20D is compatible with USB 2.0 Hi-Speed.

Installing the Software

This chapter describes how to install the bundled software.

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.
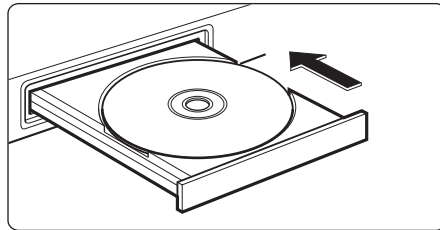
3 **Start installation.**

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

OS X

Canon EOS Digital Installer

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

OS 9

Canon EOS Digital Installer

→ The Installer panel appears.

4 **Click the [Install] button.**

Canon **EOS** DIGITAL
Solution Disk

Install

Register

Exit

5 Select [Easy Installation] and click the [Next] button.
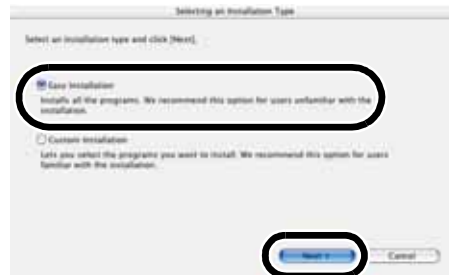
6 Check the details of the License Agreement and then click the [Agree] button.
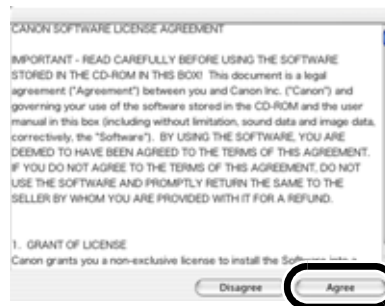
7 Check the folder in which the software will be installed and then click the [Next] button.

→ Installation begins. It takes approximately 2 to 3 minutes.

8 **Finish the installation.**

● Click the [OK] button.

→ After clicking the [OK] button in OS 9, the restart dialog box appears. Click [Yes] button to restart your computer.
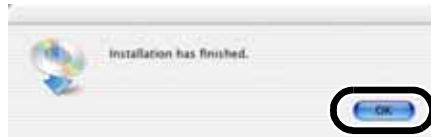
9 **Click the [Exit] button.**

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

● Continue by setting up communication mode and connecting the camera and computer in Chapter 2.

M-6

Preparation for Downloading Images

2
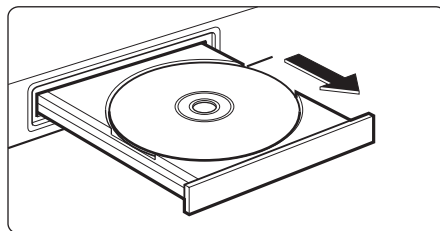
This chapter explains how to set up communication mode, and how to connect the camera or a card reader (third-party product) to your computer.

M

2

Setting the Communication Mode ■

To communicate with the camera using the software on the Solution Disk, set the camera's communication mode to [Normal].

- **The settings on this page are only necessary for the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**
- With the EOS 10D, you must change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

---

1 **Check that the camera is not connected to the computer and then set the camera's power switch to <ON>.**

2 **Set the camera's communication mode to [Normal].**
- Set [Communication] in menu to [Normal].
- With the EOS DIGITAL REBEL/ 300D DIGITAL, set [Communication] in menu option <2> to [Normal].

3 **Press the <MENU> button to switch the LCD monitor display off and then set the camera's power switch to <OFF>.**

> - If you set the communication mode to [PTP], the Solution Disk software cannot communicate with the camera. When you are using the software, always set the communication mode to [Normal].
> - When setting the communication mode, always ensure that the camera is not connected to the computer beforehand. Setting the communication mode while the camera is connected to the computer will cause camera and software malfunctions.

About the PTP Setting

The PTP function is only available to OS X users. This function provides a simple means of downloading JPEG images to your computer. To use this function, set [Communication] to [PTP] in step 2 above.

- For more information on using the PTP function to download JPEG images, see "Downloading JPEG Images Using the PTP Function in OS X (10.1 or later)" (M-12).

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 USB cable.

You can connect the camera while your computer is running.

● **With the EOS Viewer Utility for OS 9, you cannot download images (M-18), specify camera settings (M-50), or take shots remotely (M-53) by connecting the camera and your computer.**

1 Plug the dedicated cable into the computer.

● Plug the cable into the USB port.
● Refer to the computer User's Manual for information on the terminal areas.
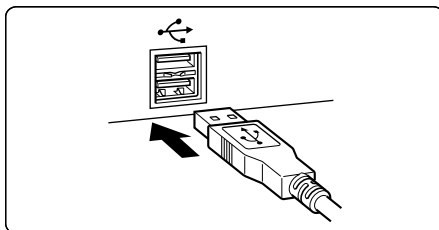
2 Plug the dedicated cable into your camera.

● Open the cover and connect the cable to the <DIGITAL> terminal with the [↤] icon facing the front of the camera.
● With the EOS D60 and EOS D30, connect by aligning the <▶> mark on the plug with the <▶> mark on the <DIGITAL> terminal.
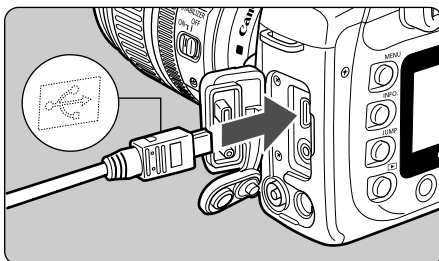
3 Set the camera's power switch to <ON>.

→ The camera is now ready to communicate with your computer.
● Proceed to Chapter 3 continuously.
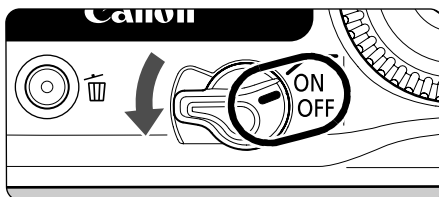
- Never perform the following operations while the software installed from the Solution Disk is running after connecting the camera to the computer as a communications error may occur.
  - Set the camera's power switch to <OFF>.
  - Open the CF card slot cover.
  - Disconnect the dedicated cable, remove the battery, and then remove the AC adapter kit (optional) or DC coupler.
  - Disconnect the AC adapter's or DC coupler's plug or power cord.

  Before you perform the operations above, be sure to quit all the software.
- You cannot communicate with the camera when you are displaying images through the camera's LCD monitor. Always connect the camera and your computer after turning off the display in the LCD monitor.
- While the camera and your computer are communicating, the camera's LCD panel may blink.
- Use only the dedicated 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. If you do so, the camera may not operate correctly.
- If you connect multiple USB devices (excluding mouse and keyboard) to your computer, the camera may not operate correctly. Disconnect other USB devices from your computer and connect only the camera.
- 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.
- When unplugging the dedicated cable, be sure to grip the sides of the plug as you pull it out.
  - * If you are using the EOS D60 or EOS D30, pull the plug while pressing the PUSH button on it.
- 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 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 you connect the camera and your computer, it is recommended that you use an AC adapter kit (optional) with the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, and the DC coupler supplied with the EOS D60 and EOS D30.

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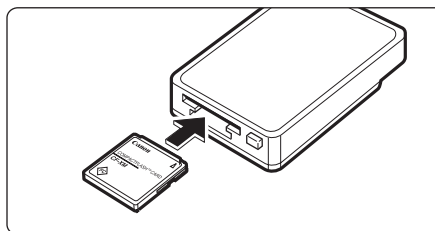
Users with a third-party card reader can download images directly from a memory card to the computer.

1 **Remove the memory card from the camera.**

2 **Load the card into the card reader.**
● Proceed to Chapter 3 continuously.

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

M

2

Preparation for Downloading Images

Downloading JPEG Images Using the PTP Function in OS X (10.1 or later)

Users of OS X (version 10.1 or later) can use the PTP (Picture Transfer Protocol) function. The PTP function allows you to download JPEG images saved on a memory card in the camera to your computer without having to start the software provided on the Solution Disk.

● **This function is available with the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL only.**

● With the EOS 10D, you must change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

1 **Set the camera's communication mode to [PTP]** (M-8).

● Set [Communication] in menu to [PTP].

● With the EOS DIGITAL REBEL/ 300D DIGITAL, set [Communication] in menu option <‎⁂2> to [PTP].

● Press the <MENU> button to clear the LCD monitor display.

● When you have finished, set the camera's power switch to <OFF>.
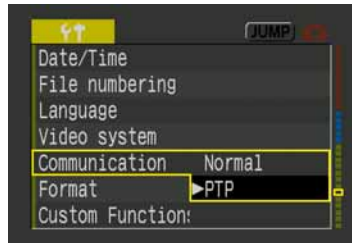
2 **Connect the camera to the computer and set the camera's power switch to <ON>** (M-9).

→ Image Capture or iPhoto starts up.

● You can specify which software starts up in Image Capture.

3 **Download the images as directed.**

● Follow the instructions in the on-screen messages to download the JPEG images.

Refer to the separate "Notes on the PTP Function" for details when the downloaded image does not display correctly or the image cannot be downloaded.

● To specify the software that will start up when the camera is connected to the computer, start up Image Capture and select [Preference] in the [Image Capture] menu. In the [Image Capture Preference] dialog box, select the application in the [When a camera is connected, open] list box.

● Image Capture and iPhoto are software bundled with OS X. For detailed information on using these applications, refer to the Help provided in the respective application.

Working with Images in the EOS Viewer Utility

3

This chapter explains how to use the 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 the 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 the EOS Viewer Utility

1 **Connect the camera to your computer** (M-9).

2 **Double-click the [Canon EOS Viewer Utility] icon on the desktop.**

→ The main window appears.

● You can also start the EOS Viewer Utility by double-clicking the [Canon Utilities] folder ▶ the [EOS Viewer Utility] folder ▶ the [EOS Viewer Utility] icon.

Main window

Main window tool bar

Path display
Displays the folder path
selected in the Tree View Area.

Histogram
Shows the distribution of the brightness of an image.
Selecting the tab switches the histogram display
values between Brightness and RGB.

Image information display area
Displays basic shot information.

Status bar

Image display area

Bookmark area (M-21)

RGB value display
When you move the cursor over an image, the
coordinates of the cursor position and its RGB values
(8-bit conversion) are shown here.

Tree View Area (M-18)

Comment input box (M-29)

Detailed Information display area (M-29)

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

M

3

Working with Images in the EOS Viewer Utility

M-15

Main window tool bar

Rotate left 90 degrees button (M-28)

Rotate right 90 degrees button (M-28)

Show/Hide Thumbnail Frames button
Shows/hides the information display frame
of thumbnail images.

Remove Check
Mark button (M-26)

Transfer images
button (M-44)

Display Size
list box (M-24)

Window button
(M-27)

Remove protect button
(M-28)

Erase images
button (M-29)

Show/Hide Tree View button
Shows/hides the Tree View Area.

EOS Capture
button (M-54)

Show/Hide Image Information button
Shows/hides the histogram, image information
display area, Detailed Information display area,
and comment input box.

Save File button
(M-41)

Select Image button
(M-26)

Add Check Mark button (M-26)

IPTC information button
(M-47)

Play sound button
*This button does not work with
the camera you are using.

protect button (M-28)

RAW adjustment tool palette

Displays the name of the camera on which the selected RAW images were taken.

○ RAW adjustment

EOS XXX

Digital Exposure Compensation slider (M-33)[*3]

Digital Exposure Compensation

`0.0`

−2 −1 0 +1 +2

White Balance

White Balance list box (M-34, M-35)

Auto

Color Temp. input box (M-35)[*2, 3]

K

Click White Balance button (M-36)

White Balance Compensation slider (M-37)[*1, 2, 3]

B   A   0   0

G   M   0   0

Contrast

Contrast list box (M-37)

Standard

Parameters

Standard radio button (M-38)[*1, 2, 3]

● Standard

Color Saturation: *Standard*

Color Saturation list box (M-38)

Color Tone: *0*

Color Tone list box (M-38)[*3]

B/W radio button (M-38)[*1, 2, 3]

○ B/W

Filter Effect: *N:None*

Filter Effect list box (M-39)[*1, 2, 3]

Toning Effect: *N:None*

Toning Effect list box (M-39)[*1, 2, 3]

Color Space

sRGB

Color Space list box (M-40)[*2, 3]

Sharpness

Sharpness list box (M-40)

Off

Reset to Shot Settings button (M-32)

Reset to Shot Settings

Preview checkbox (M-32)

☑ Preview

Update

Update button (M-32)

● 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.

[*1] Not displayed with the EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.

[*2] Not displayed with the EOS D60 RAW images.

[*3] Not displayed with the EOS D30 RAW images.

● Where you have selected a JPEG image or where you have selected a TIFF or JPEG image converted from a RAW image with the EOS Viewer Utility, nothing is displayed on the RAW adjustment tool palette and the image cannot be edited.

● Where you have selected a RAW image saved on the memory card inside the camera, nothing is displayed on the RAW adjustment tool palette and the image cannot be edited. Work with the images saved on your computer from the memory card.

● The settings used when shots were taken are displayed in italic or bold 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 the 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.

● **This function is only available with the EOS Viewer Utility for OS X.**
  With the EOS Viewer Utility for OS 9, you cannot download images saved on a memory card inside the camera. Download images to your computer by either using the EOS Viewer Utility for OS X or by using a third-party card reader.

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.)
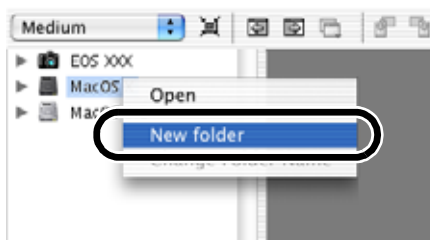
2 Display a folder to be copied.

● Double-click the camera icon ▶ the [DCIM] folder.
→ The [xxxCANON] folder is displayed. ("xxx" represents a number 100 to 999.)
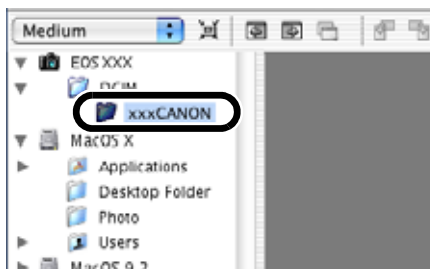
3 Copy the folder to the hard disk.

● Drag and drop the [xxxCANON] folder to the destination folder.
→ The [xxxCANON] 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 the 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-22) or edit RAW images (M-31) saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.
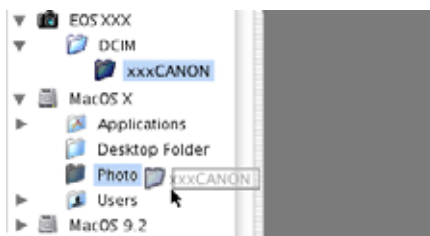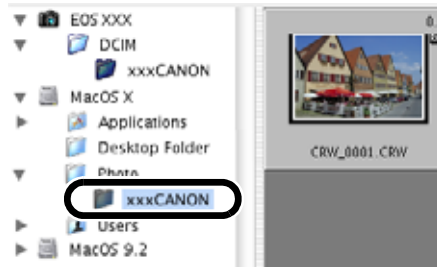
● For displaying images saved in a third-party card reader, follow the same procedure to download the target folder to your computer.

Supported Image Formats

The images below can be displayed with the EOS Viewer Utility.

Image Format	File Extension
RAW images taken with the EOS-1D Mark II and the EOS 20D	.CR2
RAW images taken with the EOS-1Ds and the EOS-1D	.TIF
RAW images taken with the EOS 10D, DIGITAL REBEL/300D DIGITAL, D60 and D30	.CRW
JPEG images conforming with the Exif 2.2, 2.21 standard*	.JPG/.JPEG
TIFF images conforming with the Exif standard*	.TIF/.TIFF

* Includes TIFF and JPEG images converted from RAW images and saved with the EOS Viewer Utility.

● 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.

● By setting [Auto rotate] setting to <ON> for the camera with this function, images shot in a vertical position are automatically displayed vertically.

● If the selected folder contains a large number of images, there may be a short delay before the images appear.

3

Working with Images in the 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.

Opens the selected folder.

Creates a new folder. Note that you cannot create a new folder in the memory card in the camera.

Allows you to change the folder name.
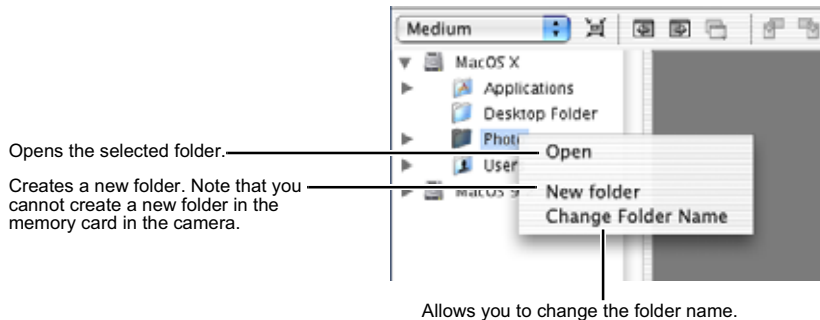
You can drag and drop folders from the Tree View Area to the other folders.
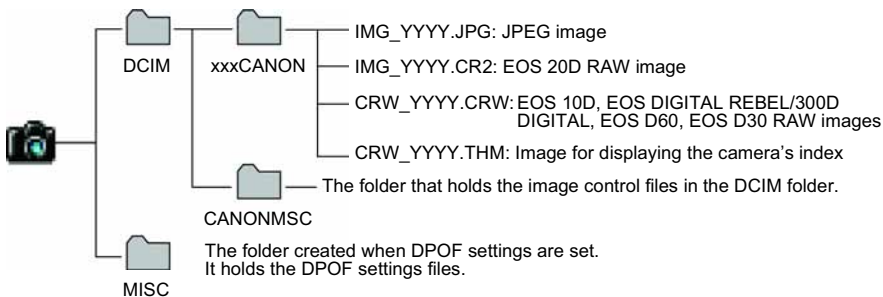
Memory Card Folder Structure and File Names

DCIM

xxxCANON

IMG_YYYY.JPG: JPEG image

IMG_YYYY.CR2: EOS 20D RAW image

CRW_YYYY.CRW: EOS 10D, EOS DIGITAL REBEL/300D DIGITAL, EOS D60, EOS D30 RAW images

CRW_YYYY.THM: Image for displaying the camera's index

The folder that holds the image control files in the DCIM folder.

CANONMSC

The folder created when DPOF settings are set. It holds the DPOF settings files.

MISC

● The "xxx" in the folder names represent a number between 100 to 999.
● The "YYYY" in the file names represent a number between 0001 to 9999.

The file name of images shot with the EOS 20D is "_MG_" (the first character is an underscore) when Adobe RGB is set.

Registering Frequent Use Folder

You can register frequent use folders as bookmark folders.

1 **Display a folder to be registered (M-18).**

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.

● 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.

M

3

Working with Images in the 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.
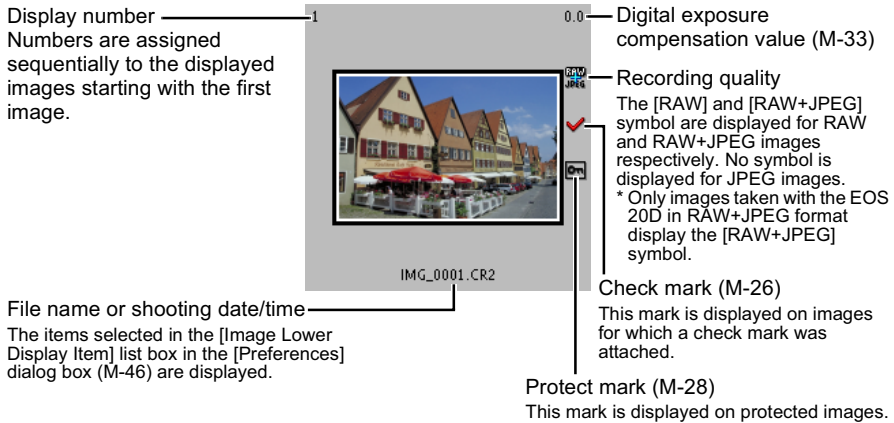
Display number
Numbers are assigned sequentially to the displayed images starting with the first image.

1   0.0

IMG_0001.CR2

Digital exposure compensation value (M-33)

Recording quality
The [RAW] and [RAW+JPEG] symbol are displayed for RAW and RAW+JPEG images respectively. No symbol is displayed for JPEG images.
* Only images taken with the EOS 20D in RAW+JPEG format display the [RAW+JPEG] symbol.

Check mark (M-26)
This mark is displayed on images for which a check mark was attached.

Protect mark (M-28)
This mark is displayed on protected images.

File name or shooting date/time
The items selected in the [Image Lower Display Item] list box in the [Preferences] dialog box (M-46) are displayed.
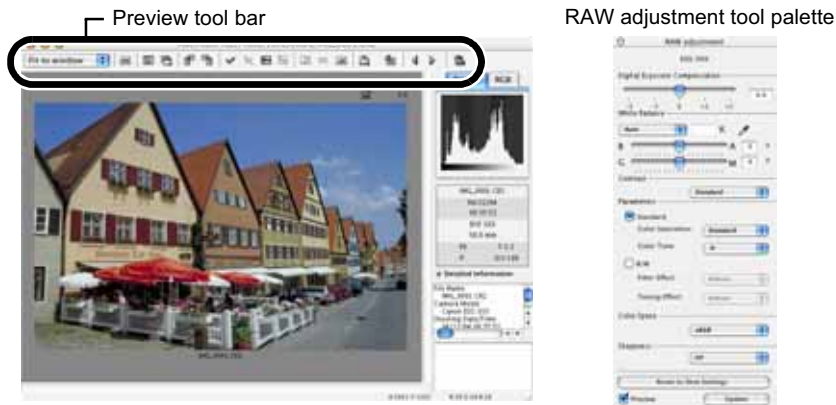
Preview Window Display

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.

● The preview window can display a maximum of six previews.
● A low resolution image is displayed first in the preview window, and then it changes to a high resolution image.
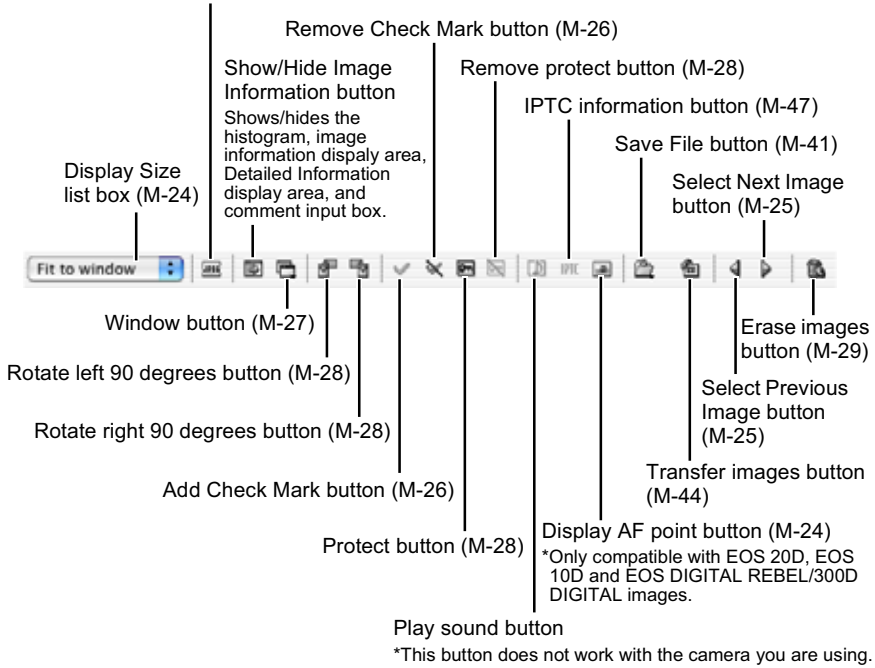
Preview window

Preview tool bar

RAW adjustment tool palette

Preview tool bar

JPEG preview button
Changes the image displayed in the preview window to a RAW or JPEG image.
*Only compatible with EOS 20D RAW+JPEG images and EOS 10D, EOS DIGITAL
  REBEL/300D DIGITAL and EOS D60 RAW images.

Remove Check Mark button (M-26)

Show/Hide Image
Information button (M-27)
Shows/hides the
histogram, image
information dispaly area,
Detailed Information
display area, and
comment input box.

Remove protect button (M-28)

IPTC information button (M-47)

Save File button (M-41)

Display Size
list box (M-24)

Select Next Image
button (M-25)

Fit to window

Window button (M-27)

Rotate left 90 degrees button (M-28)

Rotate right 90 degrees button (M-28)

Erase images
button (M-29)

Select Previous
Image button
(M-25)

Add Check Mark button (M-26)

Transfer images button
(M-44)

Protect button (M-28)

Display AF point button (M-24)
*Only compatible with EOS 20D, EOS
  10D and EOS DIGITAL REBEL/300D
  DIGITAL images.

Play sound button
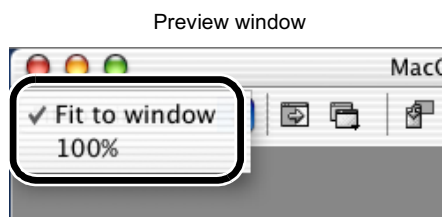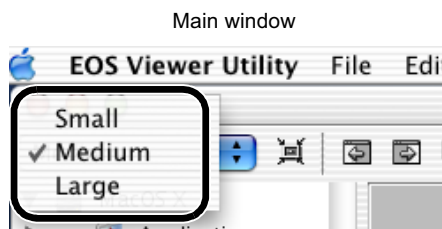*This button does not work with the camera you are using.

You cannot display images in the preview window or edit RAW images (M-31) saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.

- For some images, it may take some time to change to the high resolution image.
- You can set the image displayed in the preview window to RAW image or the simultaneously recorded JPEG image (M-46).

M

3

Working with Images in the EOS Viewer Utility

M-23

Selecting the Display Size

Select a display size from the list box.

● In the main window, the available image sizes are [Small] (64 × 42 pixels), [Medium] (100 × 66 pixels), and [Large] (160 × 106 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.
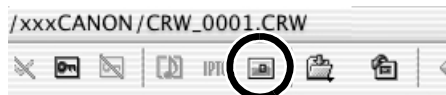
Preview window

Checking the AF Point

The AF point used when the shot was taken can be displayed.
● **This function is only available with images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**

1 **Display the image in the preview window** (M-22).

2 **Click the [Display AF point] button.**
→ The AF point is displayed.
● Clicking the button again hides the AF point.

/xxxCANON/CRW_0001.CRW

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.
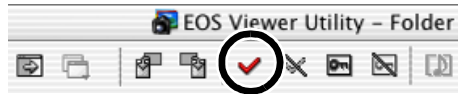
Attaching Check Marks to Images

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.

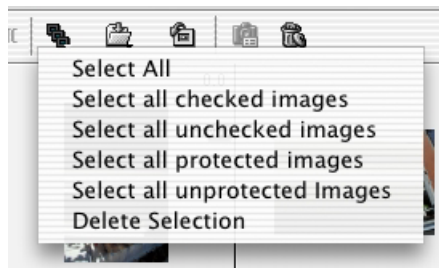🔔 You cannot attach the check mark for any images other than RAW images.

● 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.

Select All
Select all checked images
Select all unchecked images
Select all protected images
Select all unprotected Images
Delete Selection

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.
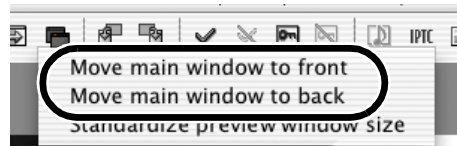
M

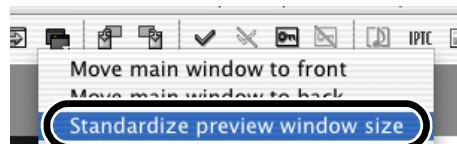# Equalizing the Display Sizes of the Preview Window

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

3

1 Select the image whose size is the desired size (M-25).

2 Click [Standardize preview 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 the EOS Viewer Utility

Editing Images

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

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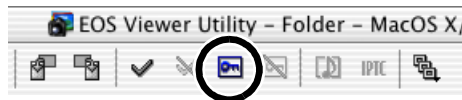
Protecting Images

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.

EOS Viewer Utility – Folder – MacOS X/

EOS Viewer Utility – Folder – MacOS X/Ph

📄 ● 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.

EOS Viewer Utility – F

📄 ● By setting [Auto rotate] setting to <ON> for the camera with this function, images shot in a vertical position 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.

X/Photo/xxxCANON

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-28) 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.

Detailed 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 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 the EOS Viewer Utility

Printing Images

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

1 **Select images to be printed in index format** (M-25).

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 software
  When the images are processed, it takes a while to display them.
● Approximate processing times

Operation Details Camera Model	Switching from the main window to the preview window	Transferring an image to the specified retouching software
EOS 20D	Approx. 5 sec.	Approx. 45 sec.
EOS 10D	Approx. 4 sec.	Approx. 35 sec.
EOS DIGITAL REBEL/ 300D DIGITAL	Approx. 4 sec.	Approx. 35 sec.
EOS D60	Approx. 4 sec.	Approx. 30 sec.
EOS D30	Approx. 4 sec.	Approx. 25 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 G5 1.6 GHz; 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-22) or edit RAW images saved on a memory card in the camera directly. Work with the images saved on your computer from the memory card.

M

3

Working with Images in the 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 (M-41) or is transferred to retouching software (M-44).

● The procedure below is an operating method in the preview window, but you can set processing parameters with the same operation in the main window also. However, in the main window, you cannot click the [Preview] checkbox and the processing parameters you have set are immediately reflected in the image.

1 Display the RAW image in the preview window (M-22).

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

2 Specify the processing parameters (M-33 to M-40).

● 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

3 Click the [Update] button.

→ The RAW images are processed according to the specified processing parameters.
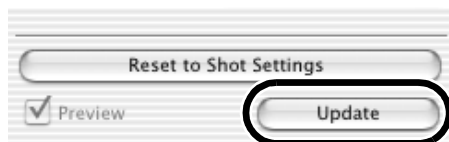
4 Save (M-41) or transfer images (M-44).

🕛 The processing parameters set with the EOS Viewer Utility in the RAW images of a camera other than the EOS 20D are cancelled when you quit the EOS Viewer Utility, and are reset to the processing parameters for when shooting. Either convert the RAW image specified with the processing parameters to a TIFF or JPEG image and save (M-41), or transfer to retouching software (M-44) and save.

📖 When multiple images are selected in the main window, the specified processing parameters are applied to all the selected RAW images.

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.
● **This function is only available with RAW images of the EOS 20D, EOS 10D, EOS DIGITAL REBEL/300D DIGITAL and EOS D60.**

Drag the slider left or right to adjust the brightness.

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

Digital Exposure Compensation

-2   -1   0   +1   +2   0.0
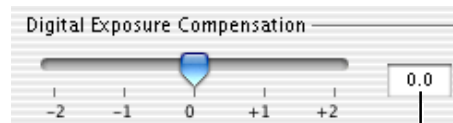
Adjustment value set with the slider.

M

3

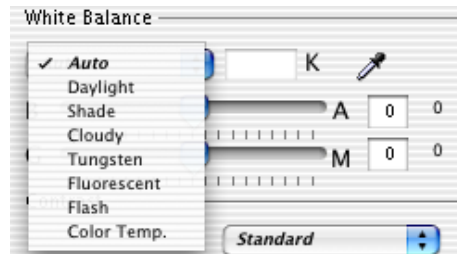Working with Images in the EOS Viewer Utility

Adjusting the White Balance

You can adjust the white balance in the images.

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.

- ● [Shade] and [Color Temp.] are not displayed for the EOS D60 and EOS D30 RAW images.

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 white 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-35).	Approx. 2800 to 10000

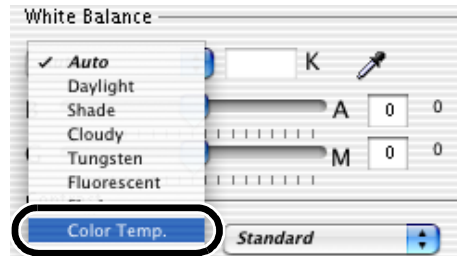* Approximately 5500 with the EOS D30 RAW images.

→ 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.

● **This function is only available with RAW images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**
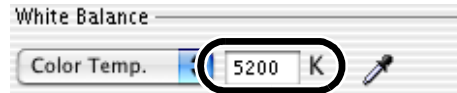
1 **Select [Color Temp.] from the list box.**

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.
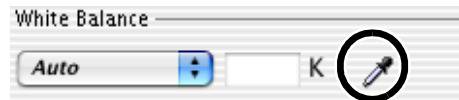

M

3

Working with Images in the EOS Viewer Utility
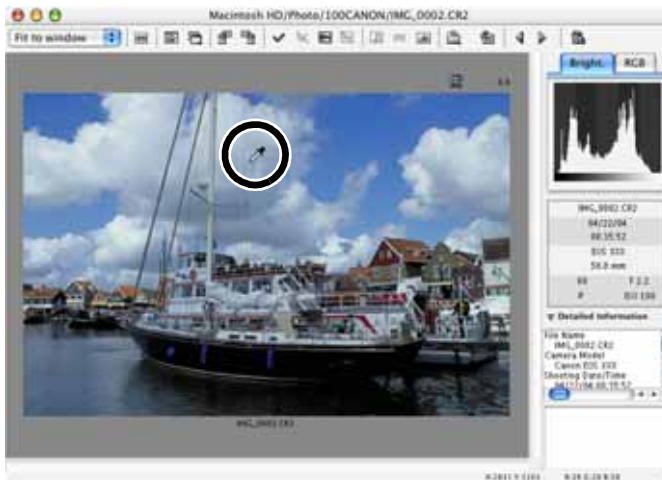
M-35

Click White Balance Function

Makes white the standard for the part you have selected and automatically adjusts the white balance.

1 Click the [Click White Balance] button.

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

2 Click the part where white is to be the standard.

→ The white balance is adjusted so that the point clicked appears white.

- When you use Click White Balance Function, even though you do not click the [Preview] checkbox, the adjusted white balance is applied to the images.
- When you use Click White Balance Function, [White Point] is displayed in the [White Balance] list box.
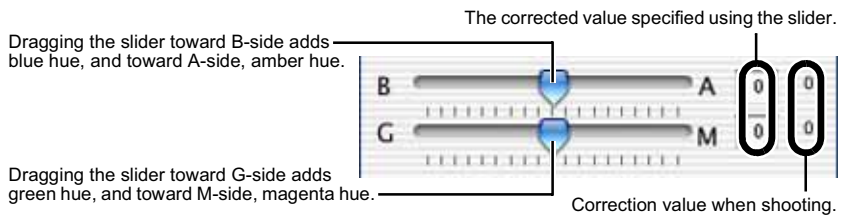- You can adjust by selecting the neutral gray parts of the image.

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.

● **This function is only available with the EOS 20D RAW images.**

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

The corrected value specified using the slider.

Dragging the slider toward B-side adds blue hue, and toward A-side, amber hue.

Dragging the slider toward G-side adds green hue, and toward M-side, magenta hue.

Correction value when shooting.

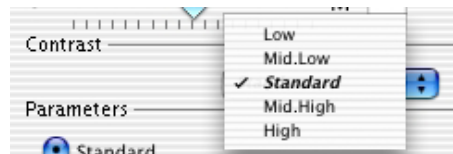➜ The corrected value is specified in the RAW adjustment tool palette.

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)

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.

● [Mid.Low] and [Mid.High] are not displayed for the EOS D60 and EOS D30 RAW images.

Contrast
Low
Mid.Low
✓ Standard
Mid.High
High

Parameters
Standard

M

3

Working with Images in the EOS Viewer Utility

M-37

Color Adjustment

Select the color adjustment options with the radio buttons to make each type of adjustment.
● **Selecting of color adjustment options is only available with EOS 20D RAW images.**
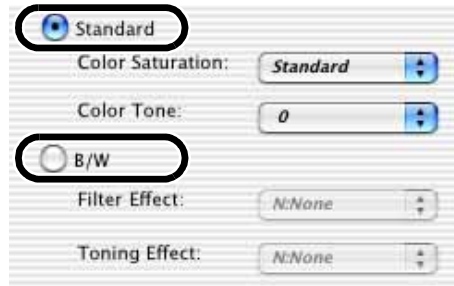
Select the [Standard] radio button or the [B/W] radio button.

➡ With the radio button you have selected, you can make the following color adjustments. Also, if you select [B/W], the image will become monochrome.

[Standard]: Color Saturation, Color Tone
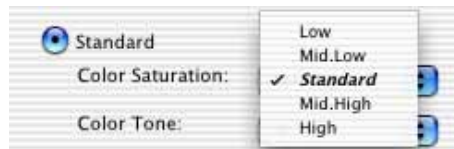
[B/W]: Filter Effect, Toning Effect

● See the section below for adjustment methods.

Selecting the Color Saturation

Select a setting from the list box.

➡ The selected setting is specified in the RAW adjustment tool palette.
● [Mid.Low] and [Mid.High] are not displayed for the EOS D60 and EOS D30 RAW images.

Adjusting the Color Tone
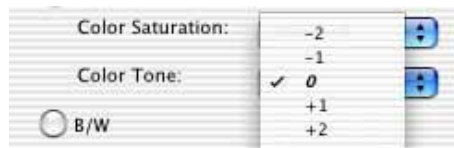● **This function is only available with the EOS 20D, EOS 10D, EOS DIGITAL REBEL/ 300D DIGITAL and EOS D60.**

Select a setting from the list box.

➡ The selected setting is specified in the RAW adjustment tool palette.
● The more negative the value, the redder the image becomes, and the more positive the value, the more yellow.
● [–2] and [+2] are not displayed for the EOS D60 RAW images.

Filter Effect

● **This function is only available with EOS 20D RAW images.**

Select a setting from the list box.

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

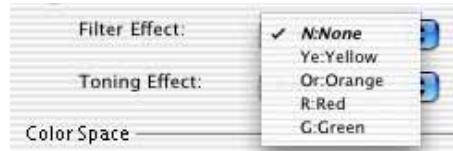| Filter Effect: | ✓ N:None |
	Ye:Yellow
Toning Effect:	Or:Orange
	R:Red
Color Space	G:Green

M

Toning Effect

● **This function is only available with EOS 20D RAW images.**

Select a setting from the list box.

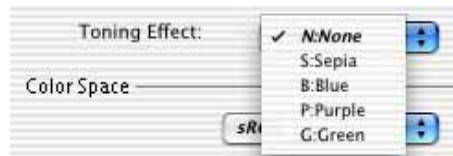→ The selected setting is specified in the RAW adjustment tool palette.

Toning Effect:	✓ N:None
	S:Sepia
Color Space	B:Blue
	P:Purple
sR	G:Green

3

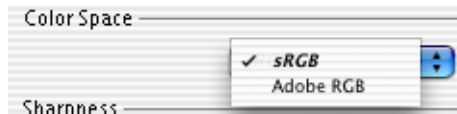Working with Images in the EOS Viewer Utility

Specifying the Color Space

You can set the color space of the images you have taken.

● **This function is only available with RAW images of the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL.**

Select a setting from the list box.

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

● The specified color space is recorded in the ICC profile attached to a TIFF image converted and saved from a RAW image (M-41).
● An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.

Selecting the Sharpness

You can adjust the edge sharpness of an image.

Select a setting from the list box.

● Higher values give higher levels of edge sharpening.
● [Mid.Low] and [Mid.High] are not displayed for the EOS D60 RAW images.
● [Off], [Mid.Low] and [Mid.High] are not displayed for the EOS D30 RAW images.
→ The selected setting 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-40) is attached to each of images as the ICC profile automatically.

1 **Select images to be saved (M-25).**

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

→ The [Save File] dialog box appears.
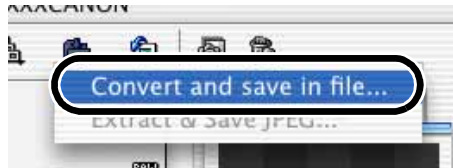
3 **Specify the settings and click the [OK] button.**

→ 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.

Working with Images in the EOS Viewer Utility

- When you convert RAW images to the TIFF images and save them, the ICC profile is attached to each of images automatically. An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.
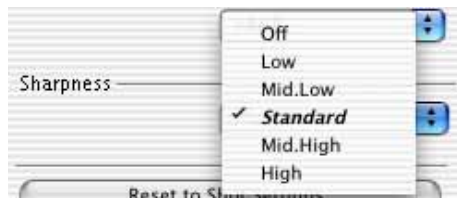- Alternatively, you can perform the same operation using the menu that appears by holding down the <control> key and clicking.
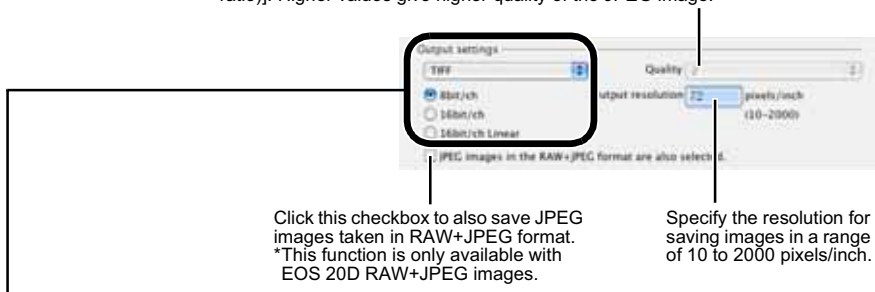
The image is saved as a new image in the same folder as the selected image.

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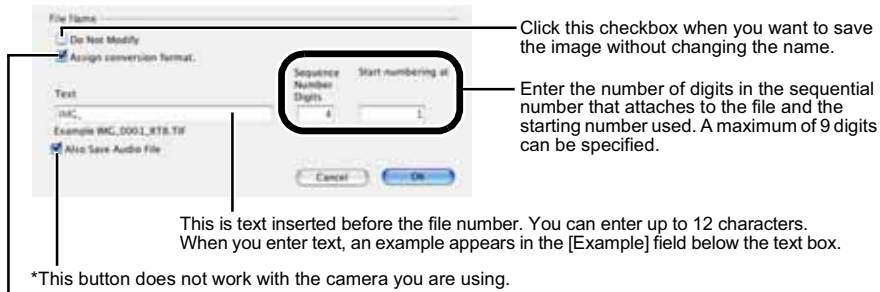in which the image will be saved.

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.

Click this checkbox to also save JPEG
images taken in RAW+JPEG format.
*This function is only available with
EOS 20D RAW+JPEG images.

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	EOS 20D	.CR2
	EOS 10D, EOS DIGITAL REBEL/300D DIGITAL, EOS D60, EOS D30	.CRW
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.

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.

*This button does not work with the camera you are using.

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.

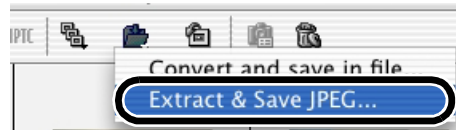| Conversion Format	Conversion Format Name
JPEG	RJ
TIFF (8bit/ch)	RT8
TIFF (16bit/ch, 16bit/ch linear)	RT16, RT16L

Extracting JPEG Images from RAW Images

● A JPEG image simultaneously recorded with a RAW image can be extracted and saved.
● **This function is only available with RAW images of the EOS 10D, EOS DIGITAL REBEL/300D DIGITAL and EOS D60.**
● The EOS DIGITAL REBEL/300D DIGITAL and EOS D60 simultaneously record a Middle/Fine JPEG image and the EOS 10D simultaneously records the JPEG image set up in the camera.
● The contents that can be set are the same as [Save folder] and [File Name] of "Saving Images" (M-41).

1 **Select the RAW image from which a JPEG image is to be extracted** (M-25).

2 **Click the [Save File] button and select [Extract & Save JPEG] from the menu that appears.**

➜ The [Extract & Save JPEG] dialog box appears.

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

➜ The JPEG image is saved in the selected folder.

M

3

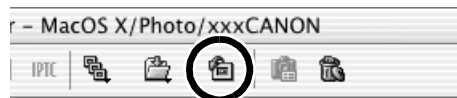Working with Images in the EOS Viewer Utility

Transferring Images to Retouching Software

You can transfer the images displayed in the 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.
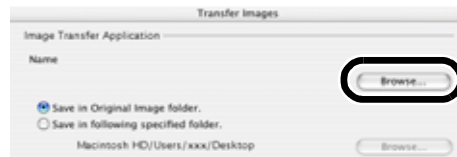> - Be sure to specify the image transfer settings before transferring images.

1 Click the [Transfer images] button.
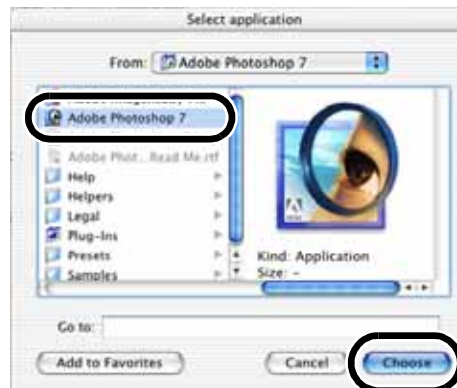
→ The [Transfer Images] dialog box appears.

r – MacOS X/Photo/xxxCANON

IPTC

2 Click the [Browse] button.

→ The [Select application] dialog box appears.

Transfer Images

Image Transfer Application

Name

Browse...

● Save in Original Image folder.
○ Save in following specified folder.

Macintosh HD/Users/xxx/Desktop   Browse...

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 ▶ [Applications] folder ▶ [Adobe Photoshop 7] folder ▶ [Adobe Photoshop 7]. Then click the [Choose] button.
- → Photoshop is specified and the dialog box closes.

Select application

From: Adobe Photoshop 7

Adobe Photoshop 7
Adobe Phot... Read Me.rtf
Help
Helpers
Legal
Plug-Ins
Presets
Samples

Kind: Application
Size: -

Go to:

Add to Favorites   Cancel   Choose

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.

○ Save in Original Image folder.
○ Save in following specified folder.

Macintosh HD/Users/xxx/Desktop

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.**

M
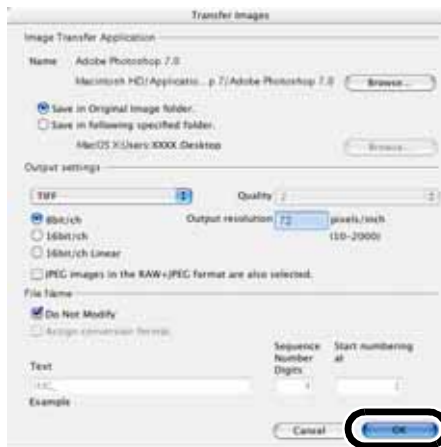
- See "Saving Images" (M-41) for the procedure for specifying [Output settings] and [File Name].
- → Photoshop starts up and displays the transferred images.
- → The transferred images are saved in the folder that you have selected in step 4.

- 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-40) 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.

3

Working with Images in the EOS Viewer Utility

Specifying the Preferences

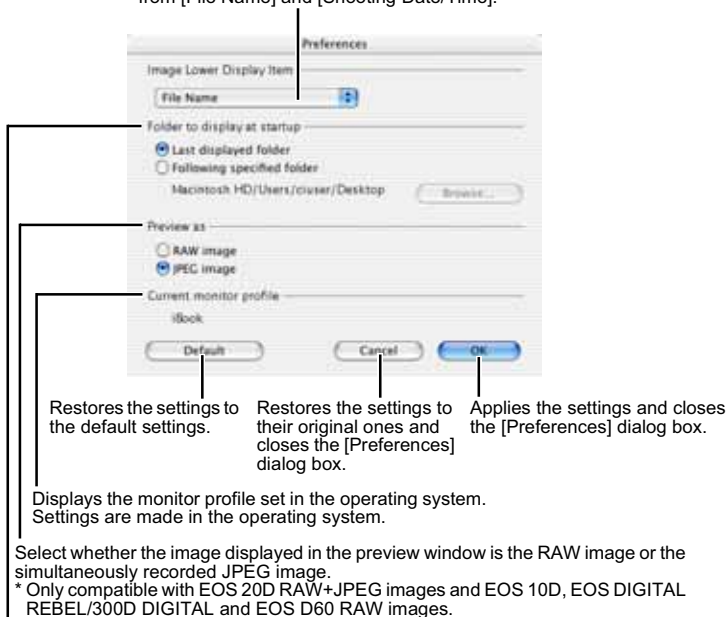You can specify the preferences for the EOS Viewer Utility.

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].

Restores the settings to
the default settings.

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

Applies the settings and closes
the [Preferences] dialog box.

Displays the monitor profile set in the operating system.
Settings are made in the operating system.

Select whether the image displayed in the preview window is the RAW image or the
simultaneously recorded JPEG image.
* Only compatible with EOS 20D RAW+JPEG images and EOS 10D, EOS DIGITAL
  REBEL/300D DIGITAL and EOS D60 RAW images.

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

> You can also select in the preview window whether the image displayed is the RAW
> image or the simultaneously recorded JPEG image (M-22).

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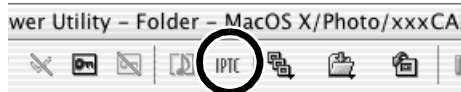
You can attach this IPTC information to JPEG images, or to TIFF and JPEG images that were converted from RAW images and saved with the EOS Viewer Utility. You can also save the IPTC information on your computer, and then load the saved information and apply it to other images.

1 Select a JPEG or a TIFF image (M-25).

2 Click the [IPTC information] button.

→ The [IPTC information] dialog box appears.

3 Enter information (M-48, M-49).

● 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.

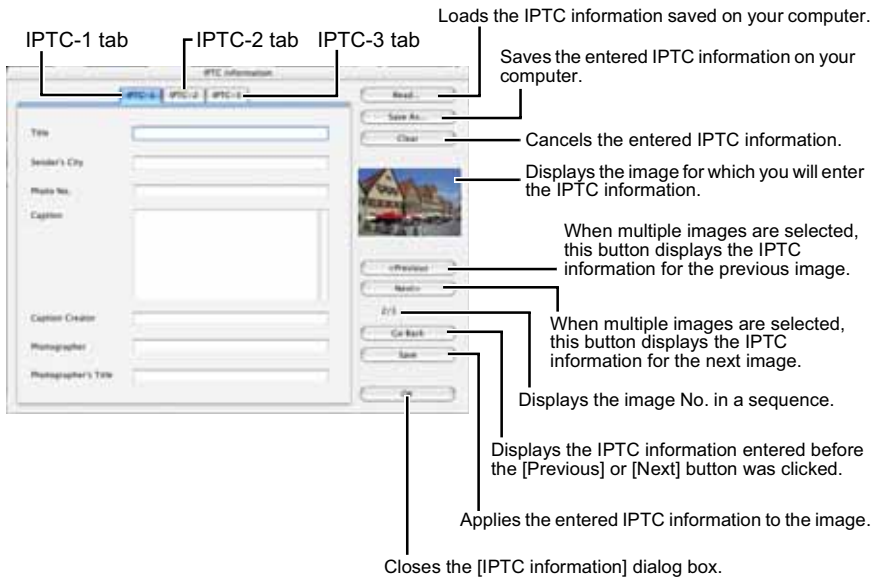→ The specified IPTC information is applied to the image.

5 Click the [OK] button.
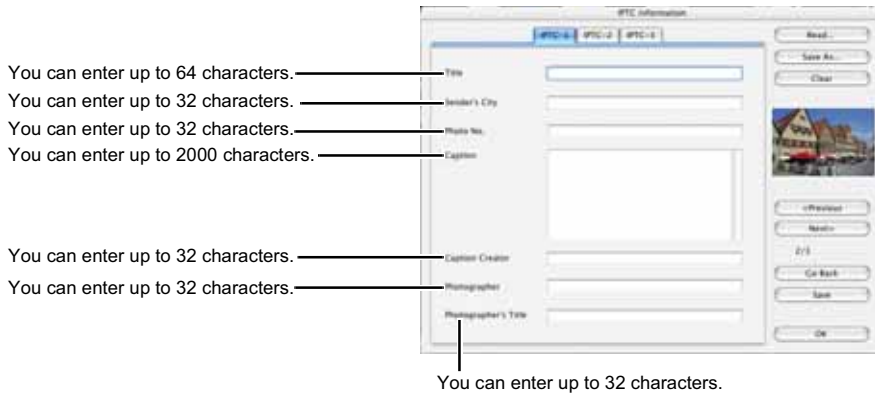
→ The [IPTC information] dialog box closes.

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

M

3

Working with Images in the EOS Viewer Utility

IPTC-1 tab   IPTC-2 tab   IPTC-3 tab

Loads the IPTC information saved on your computer.

Saves the entered IPTC information on your computer.

Cancels the entered IPTC information.

Displays the image for which you will enter the IPTC information.

When multiple images are selected, this button displays the IPTC information for the previous image.

When multiple images are selected, this button displays the IPTC information for the next image.

Displays the image No. in a sequence.

Displays the IPTC information entered before the [Previous] or [Next] button was clicked.

Applies the entered IPTC information to the image.

Closes the [IPTC information] dialog box.

Settings on the [IPTC-1] tab sheet

You can enter up to 64 characters.
You can enter up to 32 characters.
You can enter up to 32 characters.
You can enter up to 2000 characters.

You can enter up to 32 characters.
You can enter up to 32 characters.

You can enter up to 32 characters.

M-48

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.

M

3

Working with Images in the EOS Viewer Utility

M-49

Specifying the Camera Settings

You can specify the owner's name and date/time in the camera.

● **This function is only compatible with the EOS Viewer Utility for OS X.**

1 **Connect the camera to your computer (M-9).**

2 **Start up the EOS Viewer Utility (M-14).**

3 **Select the [Options] menu ▶ [Camera Settings].**
→ The [Camera settings] dialog box appears.

4 Specify the settings.

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

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

Camera settings

Camera model : EOS XXX
Body ID : 0000000000
Firmware version : 1.0.0

Owner's name :

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

Date and time :
4/27/04   4:35 PM   From PC

Imports the date and time from your computer.

Battery status :

The battery level of the camera is indicated by [🔋] or [🔋]. When you are using the AC Adapter Kit (optional) or DC Coupler, [🔌] is displayed.

Memory card slot

Format...

Status : Installed
Free : 218.39 MB
Total : 243.70 MB

This box shows whether a memory card is loaded in the camera along with the available space on the card and its total capacity.
You can also initialize the memory card by clicking the [Format] button.

Cancel   OK

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

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

● With the EOS D30, the [Parameters] button is displayed. For details on [Parameters], refer to the Software Instruction Manual supplied with your camera.

5 Click the [OK] button.

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

Formatting a memory card deletes all the data on the card. Because formatting also deletes protected images, you should check the data recorded on the card carefully before proceeding.

M

3

Working with Images in the EOS Viewer Utility

M-51

Merging Images with the 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.**

→ The PhotoStitch starts up.

● Follow the instructions in the guidance window to merge the images.

● Refer to the PhotoStitch Help menu for more details.
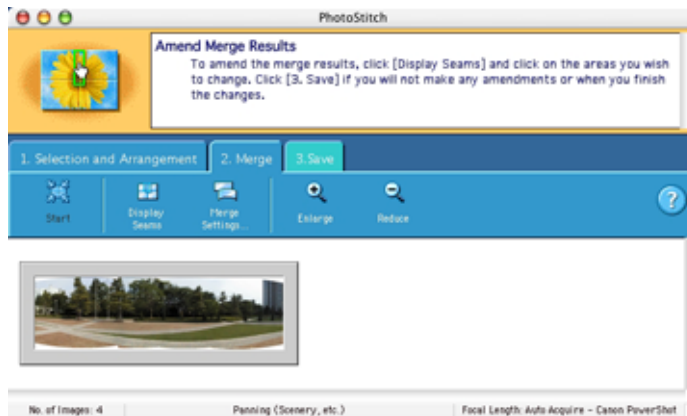
● You cannot merge RAW images in the PhotoStitch.

● Up to four images can be merged using the PhotoStitch.

Remote Shooting in the EOS Capture

This chapter describes how to use the EOS Capture for taking shots and specifying the camera settings remotely from your computer.

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

Readme: Double-click the [Canon Utilities] folder ▶ the [EOS Capture] folder ▶ [ReadMe].

● Remote shooting in the EOS Capture is only available with the EOS 20D.
● The EOS Capture is only compatible with OS X.
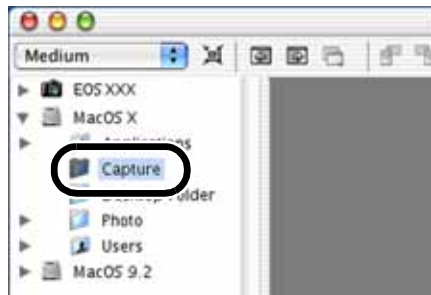
Starting the EOS Capture

● **Remote shooting in the EOS Capture is only available with the EOS 20D.**
● **The EOS Capture is only compatible with OS X.**

---

1 **Connect the camera to your computer** (M-9).

2 **Start up the EOS Viewer Utility** (M-14).

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-18). (The [Capture] folder is created here as an example.)
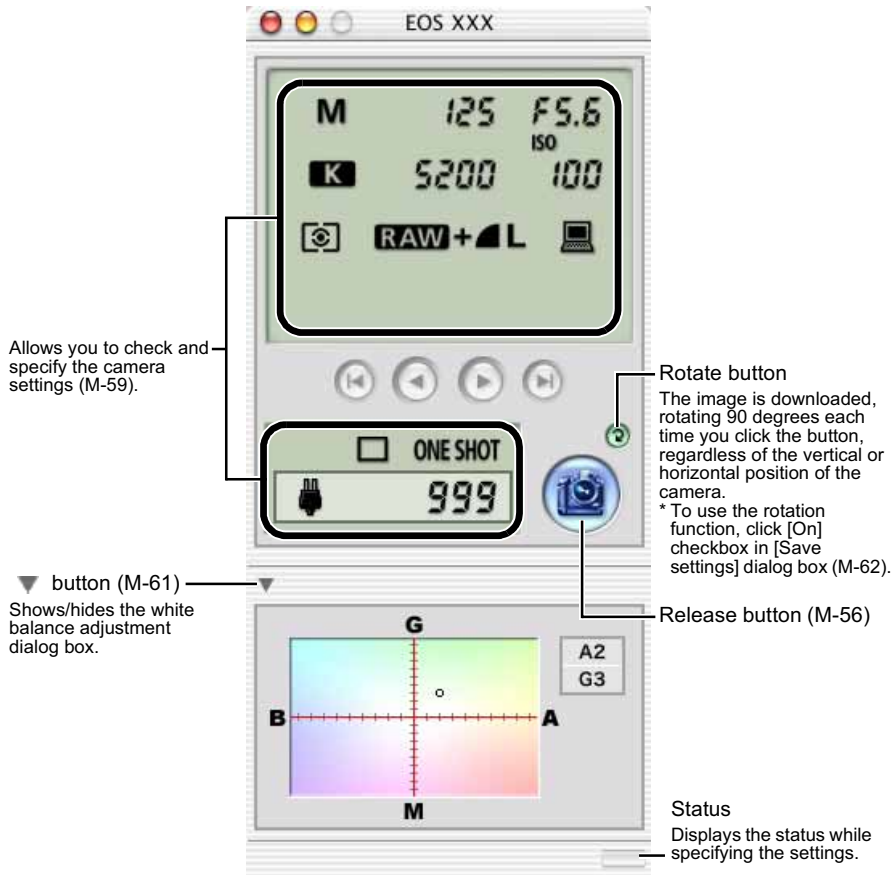
4 **Click the [EOS Capture] button.**

→ The EOS Capture main window appears.

EOS Capture main window

Allows you to check and specify the camera settings (M-59).

Rotate button
The image is downloaded, rotating 90 degrees each time you click the button, regardless of the vertical or horizontal position of the camera.
* To use the rotation function, click [On] checkbox in [Save settings] dialog box (M-62).

▼ button (M-61)
Shows/hides the white balance adjustment dialog box.

Release button (M-56)

Status
Displays the status while specifying the settings.

5 **Click the [Release] button to take a shot (M-56).**

● If you quit the EOS Capture, select the [EOS Capture] menu ▶ [Quit EOS Capture].

📄 The EOS Capture operates in conjunction with the EOS Viewer Utility. Therefore, when you quit the EOS Viewer Utility, the EOS Capture also quits.

M

4

Remote Shooting in the EOS Capture

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.
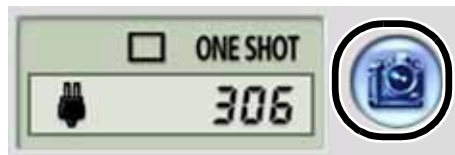
Single-frame Shooting

1 **Set the camera up ready to shoot.**

2 **Make various settings.**
- See "Camera Settings" (M-59) and "White Balance Adjustment" (M-61) for information on how to specify the camera settings.
- See "Specifying the Save Destination" (M-62) for information on how to specify the settings for saving images.

3 **Click the [Release] button.**
→ The shot images are displayed in the EOS Viewer Utility and saved in your computer automatically.

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 explained.

Alternatively, you can press the space bar to shoot.

Approximate Transfer Time for Shooting RAW Images

EOS 20D	Approx. 5 seconds

- **The transfer time given here is only an approximation. Actual transfer time varies widely depending on the images and the computer system.**
- The time for images shot in JPEG format will be shorter than those shown above.
- Transfer time is 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 10.2; CPU: Power PC G5 1.6 GHz; 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.

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-59).
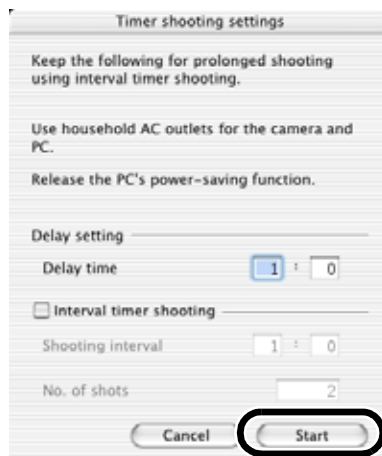
Timer Shooting

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.

M

4

Remote Shooting in the EOS Capture

Interval Timer Shooting
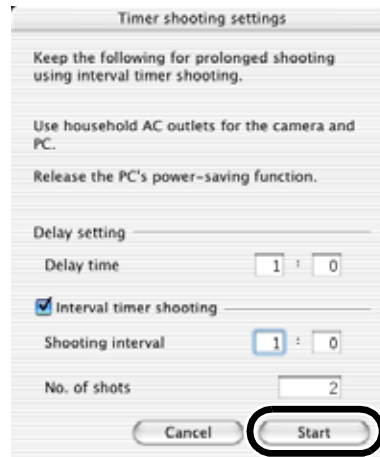
1 **Select the [Tool] menu ▶ [Timer shooting].**

→ 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.
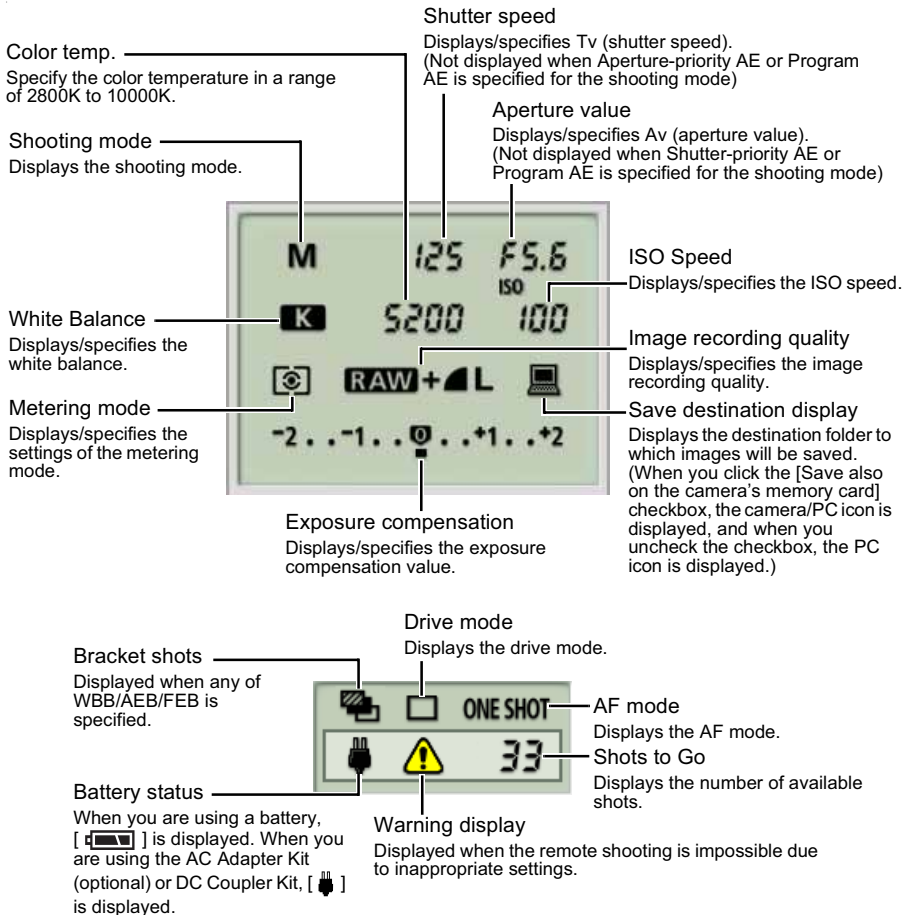
Specifying the Camera Settings ■

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

Camera Settings

You can check and specify the camera settings.

1 **Check the camera settings.**

Shutter speed
Displays/specifies Tv (shutter speed).
(Not displayed when Aperture-priority AE or Program AE is specified for the shooting mode)

Color temp.
Specify the color temperature in a range of 2800K to 10000K.

Aperture value
Displays/specifies Av (aperture value).
(Not displayed when Shutter-priority AE or Program AE is specified for the shooting mode)

Shooting mode
Displays the shooting mode.

ISO Speed
Displays/specifies the ISO speed.

White Balance
Displays/specifies the white balance.

Image recording quality
Displays/specifies the image recording quality.

Metering mode
Displays/specifies the settings of the metering mode.

Save destination display
Displays the destination folder to which images will be saved.
(When you click the [Save also on the camera's memory card] checkbox, the camera/PC icon is displayed, and when you uncheck the checkbox, the PC icon is displayed.)

Exposure compensation
Displays/specifies the exposure compensation value.

Drive mode
Displays the drive mode.

Bracket shots
Displayed when any of WBB/AEB/FEB is specified.

AF mode
Displays the AF mode.

Shots to Go
Displays the number of available shots.

Battery status
When you are using a battery, [▭] is displayed. When you are using the AC Adapter Kit (optional) or DC Coupler Kit, [⚡] is displayed.

Warning display
Displayed when the remote shooting is impossible due to inappropriate settings.

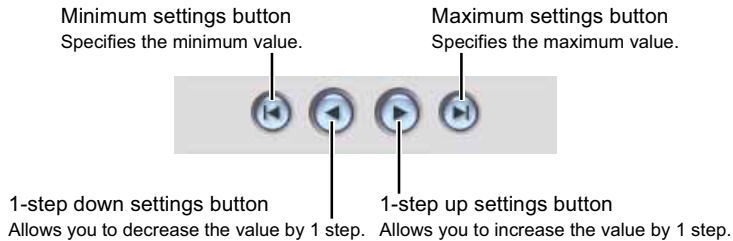* The above window shows all the information at once. In actual use, only the information needed is displayed.

2 Click the icon.

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

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.

● 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.
● Set functions which you cannot set with EOS Capture (drive mode, AF mode etc.) in the camera.

White Balance Adjustment

You can compensate white balance with the blue/amber/green/magenta digital filter.

● If the dialog box has not appeared, click the [▶] button.

Click the compensation position.

Compensate green.

Displays the compensation value.

Compensate blue.

Compensate amber.

Compensate magenta.
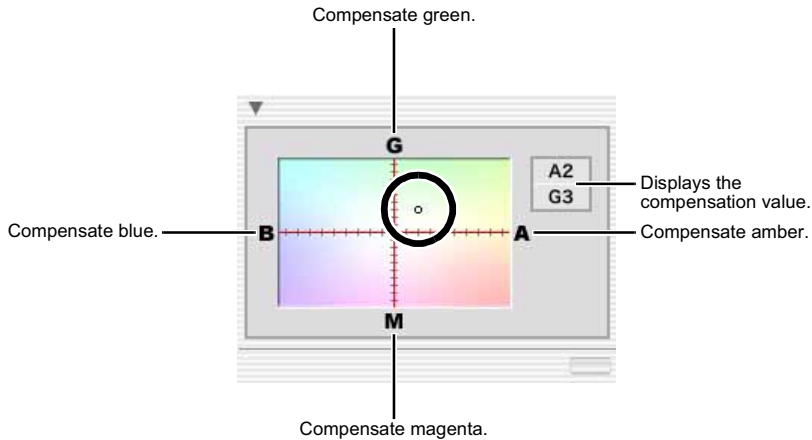
→ The changed settings are applied to the camera.

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.**

Save settings dialog box

Clicking the checkbox also 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.

Use this field to enter a file name when saving an image. The file name can consist of up to 18 characters.

Enter a sequential number with a range of 0000 to 9999 that is added to the end of the file name.

Applies the settings and closes the [Save settings] dialog box.

Cancels all the settings, and restores the settings to their original ones.

Click the checkbox to enable use of the rotation function (M-55).

M-62

Troubleshooting and Uninstallation

This chapter provides troubleshooting and describes the software uninstallation procedures.

M

5

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 USB connector as a standard feature.
   * Operation is not guaranteed when the camera is connected to an 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-9).

● **Is the correct communication mode selected on the camera?**
→ When using the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, set the camera's communication mode to [Normal] (M-8). With the EOS 10D, you must also change the firmware to version 2.0.0 or later. For details on changing, see the Canon website.

● **Is there sufficient charge left in the camera battery?**
→ Your computer does not supply power to the camera. With the EOS 20D, EOS 10D and EOS DIGITAL REBEL/300D DIGITAL, connect to the camera with an AC Adapter Kit (optional). With the EOS D60 and EOS D30, connect to the camera with the DC Coupler supplied. 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.

● **Are you using a first-generation iMac without having updated the firmware?**
Update the firmware using the iMac Firmware Update.
→ Download the iMac Firmware Update from the Apple website.

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 ▶ double-click 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.

• EOS CameraCom Pref   Preferences file shared by all software programs for communications (OS X only)
• CanonEOSViewerUtility Pref   Preferences file for the EOS Viewer Utility
• EOS Viewer Utility.plist
• com.canon.EOS Capture.plist   Preferences file for the EOS Capture (OS X only)
• PhotoStitch Pref   Preferences file for the PhotoStitch

M

5

Troubleshooting and Uninstallation

M-65

Uninstalling the Software

The following explanation uses the procedures for uninstalling the 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 software is deleted.
● When uninstallation ends, restart your computer.

You cannot retrieve data which you have moved to the Trash and deleted. Be particularly careful when deleting data.

Index

M

5

Troubleshooting and Uninstallation

Canon

CANON INC. 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

U.S.A. — **CANON U.S.A., INC.**
For all inquiries concerning this camera, call toll free in the U.S.
1-800-OK-CANON or write to: Customer Relations, Canon U.S.A., Inc.
One Canon Plaza, Lake Success, N.Y. 11042-1198

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, Canada1010
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, Milano, Italy
CANON Schweiz AG
Geschäftsbereich Wiederverkauf, Industriestrasse 12,
CH-8305 Dietlikon, Switzerland
CANON G. m. b. H.
Oberlaaerstrasse 233, 4th floor, 1100 Wien, Austria
CANON España, S. A.
C/Joaquín Costa, 41, 28002 Madrid, Spain
SEQUE Soc. Nac. de Equip., Lda.,
Praça da Alegria, 58, 2°, 1269-149 Lisboa, Portugal

CENTRAL & — **CANON LATIN AMERICA, INC. DEPTO DE VENTAS**
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 August 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.
- There may be small changes to screens and differences in wording of the software in this manual.