

OLYMPUS DIGITAL CAMERA
CAMEDIA APPAREIL PHOTO NUMÉRIQUE
DIGITALKAMERA
CÁMARA DIGITAL
C-4000 ZOOM

ENGLISH

FRANÇAIS

DEUTSCH

ESPAÑOL

**BASIC MANUAL/MANUEL DE BASE
EINFACHE ANLEITUNG/MANUAL BÁSICO**

- Before using your camera, read this manual carefully to ensure correct use.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- These instructions are only for quick reference. For more details on the camera functions described in this manual, refer to the camera Reference Manual on the CD-ROM enclosed in the camera package.
- For more details on connecting the camera to a PC and installing the provided software, refer to the "Software Installation Guide" (included in the CD-ROM package).
- Avant d'utiliser votre appareil photo, veuillez lire attentivement ce mode d'emploi, de manière à obtenir les meilleurs résultats possibles.
- Avant d'effectuer des prises de vues importantes, nous vous conseillons par ailleurs de faire quelques essais afin de vous familiariser avec le maniement de l'appareil photo.
- Ces instructions ne sont que pour une référence rapide. Pour plus de détails sur les fonctions de l'appareil décrites dans ce manuel, se référer au manuel de référence de l'appareil sur le CD-ROM inclus dans l'emballage de l'appareil.
- Pour plus de détails sur le raccordement de l'appareil photo à un ordinateur personnel et sur l'installation du logiciel fourni, se référer au "Guide d'installation de logiciel" (inclus dans l'emballage du CD-ROM).
- Bitte lesen Sie vor Gebrauch dieser Kamera sorgfältig diese Bedienungsanleitung, um optimale Ergebnisse beim Fotografieren zu erzielen.
- Wir empfehlen, vor wichtigen Aufnahmen Probeaufnahmen durchzuführen, um sich mit der Bedienung und den Funktionen der Kamera vertraut zu machen.
- Diese Kurzanleitung dient dem ersten Kennenlernen Ihrer Kamera. Weitere und ausführliche Angaben zur Funktionsweise dieser Kamera finden Sie im Referenzhandbuch auf der CD-ROM, die zum Lieferumfang der Kamera gehört.
- Weitere Angaben zum Anschluss der Kamera an einen Personal Computer und zum Installieren der mitgelieferten Software siehe die „Software-Installationsanleitung“ (in der CD-ROM-Packung enthalten).
- Antes de usar su cámara lea este manual detalladamente para asegurar el uso correcto.
- Nosotros le recomendamos que tome fotografías de prueba para familiarizarse con su cámara antes de tomar fotografías importantes.
- Estas instrucciones son sólo de referencia rápida. Para más detalles de las funciones de la cámara descritas en este manual, refiérase al manual de consulta del CD-ROM adjunto en el paquete de la cámara.
- Para más detalles sobre la conexión de la cámara a un PC e instalación del software suministrado, refiérase a la "Guía de instalación del software" (adjunto en el paquete del CD-ROM).

Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.

CONTENTS/TABLE DES MATIÉ/INHALT/CONTENIDO

ENGLISH	2
FRANÇAIS	46
DEUTSCH	90
ESPAÑOL	134

CONTENTS

NAMES OF PARTS	4
GETTING STARTED	11
USING THE MENU	16
SHOOTING BASICS	23
ADVANCED SHOOTING	31
PLAYBACK	33
PRINT SETTINGS	38
TRANSFERRING PICTURES TO A COMPUTER	39
OPTIONAL ACCESSORIES	41
ERROR CODES	42
SPECIFICATIONS	44

These instructions are only for quick reference. For more details on the camera functions described in this manual, refer to the camera Reference Manual on the CD-ROM enclosed in the camera package.

For customers in Europe

“CE” mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. “CE” mark cameras are intended for sales in Europe.

For customers in North and South America**For customers in USA**

Declaration of Conformity

Model Number : C-4000 ZOOM

Trade Name : OLYMPUS

Responsible Party : Olympus America Inc.

Address : 2 Corporate Center Drive, Melville, New York
11747-3157 U.S.A.

Telephone Number : 1-631-844-5000

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Trademarks

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the “Design Rule for Camera File System/DCF” standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

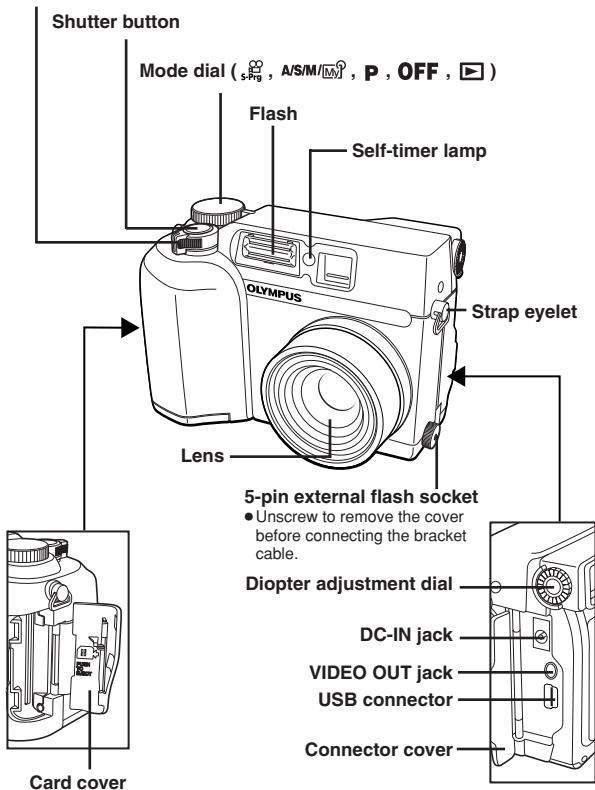
NAMES OF PARTS

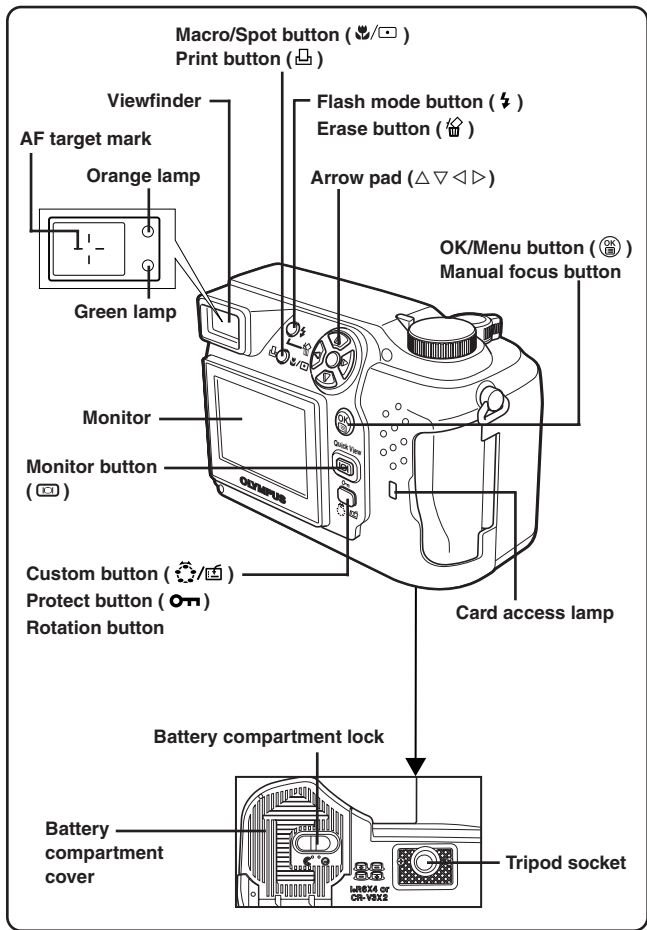
Camera

En

Zoom lever (W/T)

Index display/Close-up playback lever ( / )





NAMES OF PARTS

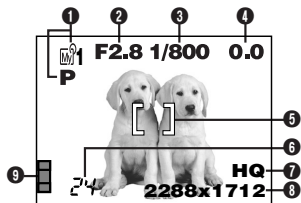
Monitor indications — Shooting information

En

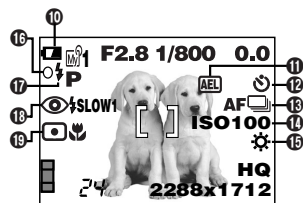
The INFO setting on the menu allows you to select how much information to display.

The indications vary depending on the shooting mode.*

When INFO is set to OFF: The information below is displayed constantly in the shooting mode. (After operating the buttons or closing the menu, the information which appears in the ON mode (illustrated to the right) is displayed for approx. 1 second, then disappears.)

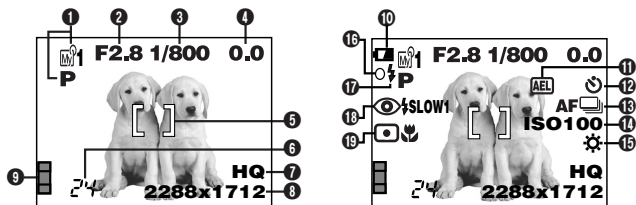


When INFO is set to ON: The information below is displayed constantly in the shooting mode.



* The illustrations show examples of indications displayed in the Mv 1 mode.

Items	Indications
① Shooting mode	P, A, S, M, Mv 1, Mv 2, Mv 3, Mv 4, Mv 5, Mv 6, Mv 7, Mv 8, Mv 9, Mv 10, Mv 11, Mv 12, Mv 13, Mv 14, Mv 15, Mv 16, Mv 17, Mv 18, Mv 19, Mv 20, Mv 21, Mv 22, Mv 23, Mv 24, Mv 25, Mv 26, Mv 27, Mv 28, Mv 29, Mv 30, Mv 31, Mv 32, Mv 33, Mv 34, Mv 35, Mv 36, Mv 37, Mv 38, Mv 39, Mv 40, Mv 41, Mv 42, Mv 43, Mv 44, Mv 45, Mv 46, Mv 47, Mv 48, Mv 49, Mv 50, Mv 51, Mv 52, Mv 53, Mv 54, Mv 55, Mv 56, Mv 57, Mv 58, Mv 59, Mv 60, Mv 61, Mv 62, Mv 63, Mv 64, Mv 65, Mv 66, Mv 67, Mv 68, Mv 69, Mv 70, Mv 71, Mv 72, Mv 73, Mv 74, Mv 75, Mv 76, Mv 77, Mv 78, Mv 79, Mv 80, Mv 81, Mv 82, Mv 83, Mv 84, Mv 85, Mv 86, Mv 87, Mv 88, Mv 89, Mv 90, Mv 91, Mv 92, Mv 93, Mv 94, Mv 95, Mv 96, Mv 97, Mv 98, Mv 99, Mv 100
② Aperture value	F2.8 – F11
③ Shutter speed	16 – 1/1000
④ Exposure compensation Exposure differential	-2.0 – +2.0 -3.0 – +3.0
⑤ AF target mark	—
⑥ Number of storable still pictures Seconds remaining	24 24"
⑦ Record mode	TIFF/SHQ/HQ/SQ1/SQ2



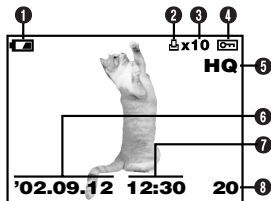
Items	Indications
⑧ Number of pixels	2288 x 1712, etc.
⑨ Memory gauge	
⑩ Battery check	
⑪ AE lock AE memory	
⑫ Self-timer	
⑬ Drive mode	
⑭ ISO	ISO100, ISO200, ISO400
⑮ White balance	
⑯ Green lamp	○
⑰ Flash stand-by Camera movement warning Flash charge	⚡ Lights. ⚡ Blinks. ⚡ Blinks.
⑱ Flash mode	
⑲ Spot metering/ Macro mode Super macro mode	

NAMES OF PARTS

Monitor indications — Playback information

INFO setting on the menu allows you to select how much information to display.

Still picture playback information



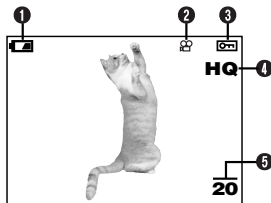
When INFO is set to OFF



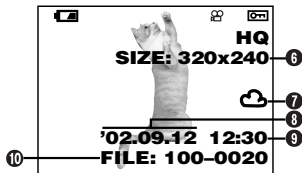
When INFO is set to ON

Items	Indications
① Battery check	
② Print reserve	
③ Number of prints	x2 – x10
④ Protect	
⑤ Record mode	TIFF, SHQ, HQ, SQ1, SQ2
⑥ Date	'02. 09. 12
⑦ Time	12:30
⑧ Frame number	20
⑨ Number of pixels (resolution setting)	2288x1712, etc.
⑩ Exposure compensation	-2.0 – +2.0
⑪ White balance	
⑫ ISO	ISO100, ISO200, ISO400
⑬ File number	100 – 0020

Movie playback information



When INFO is set to OFF



When INFO is set to ON

Items	Indications
① Battery check	
② Movie mark	
③ Protect	
④ Record mode	HQ, SQ
⑤ Frame number	20
⑥ Number of pixels	320x240, etc.
⑦ White balance	
⑧ Date	'02. 09. 12
⑨ Time	12:30
⑩ File number Recording time	FILE:100 – 0020 0"/15" During movie playback, the recording time appears asfollows:

Note

- The indications that appear on a movie picture that has been selected and displayed from the index display are different from those that appear when the movie picture is displayed using the movie play function.

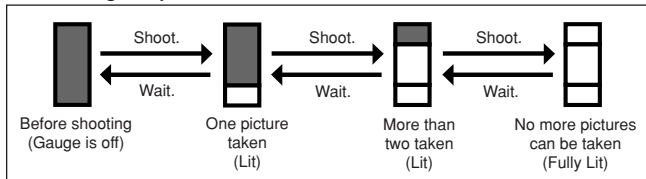
NAMES OF PARTS

Monitor indications — Memory gauge & battery check

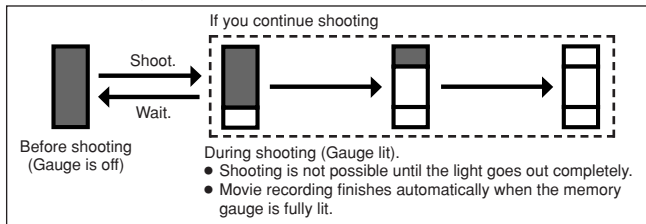
Memory gauge

The memory gauge lights when you take a picture. When the gauge is lit, the camera is storing a picture on the SmartMedia card. The memory gauge indication changes as shown below depending on the shooting status. When the memory gauge is full, wait until the light goes out before you take any more shots.

When taking still pictures

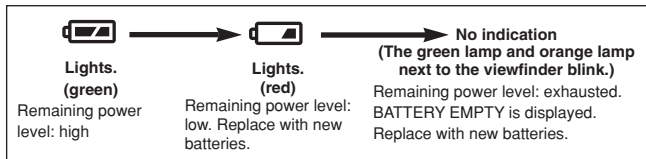


When recording movies

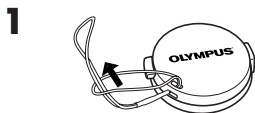


Battery check

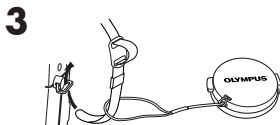
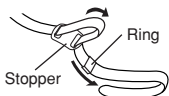
If the remaining battery power is low, the battery check indication changes as follows when the camera is turned on or while the camera is in use.



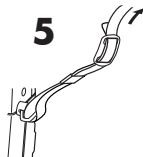
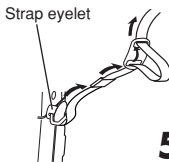
Attaching the strap



2 Loosen the strap in both stoppers. Pull out the ends of the strap from each stopper, then pull them out of each ring.



4 Thread the end of the strap back through the ring and stopper as indicated by the arrows.



6 Attach the strap to the other strap eyelet following steps 3 – 5.

..... **Note**

- Be careful with the strap when you carry the camera, as the strap can easily catch on stray objects, causing serious damage.
- Attach the strap correctly as shown so that the camera does not fall off. If the strap is attached incorrectly and the camera falls off the strap, Olympus is not responsible for any damages.

Loading the batteries

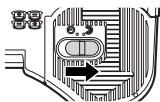
This camera uses 2 CR-V3 lithium battery packs or 4 AA (R6) NiMH batteries, NiCd batteries, alkaline batteries or lithium batteries.

! Important:

- CR-V3 lithium battery packs cannot be re-charged.
- Do not peel the label on a CR-V3 lithium battery pack.

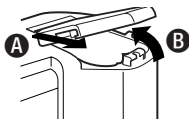
1 Make sure the camera is turned off (i.e. the mode dial is set to OFF).

2

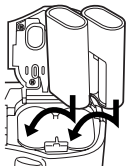


3 Slide the battery compartment cover in the direction of the arrow (A) with your fingertip and open it (B).

- Do not use your fingernail, as this could result in injury.



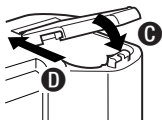
4



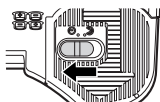
When using CR-V3 lithium battery packs

5 Close the battery compartment cover, then press it down (C) and slide it in the opposite direction of the arrow printed on it (D).

- When pressing the battery compartment cover shut, be sure to press the center of the cover, as it may be difficult to close properly by pressing the edge.
- Make sure the cover is completely closed.



6



● Using an AC power adapter (optional)

Use an AC adapter designed for the area where the camera is used. Consult your nearest Olympus dealer or Service center for details.

Inserting/Removing the memory card (SmartMedia)

This camera uses SmartMedia card to record pictures. This manual uses the term “card” when referring to SmartMedia.

Be sure to use a 3 V (3.3 V) card. Non-Olympus 3 V (3.3 V) cards must be formatted with the camera. Do not use a 5 V card or a 2 MB card.

1 Make sure the camera is turned off (i.e. the mode dial is set to OFF). Open the card cover.

2 ■ **Inserting the card**

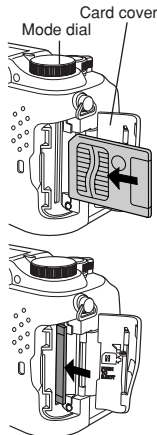
Insert the card fully with the contact area facing towards the monitor side. Insert until you feel it locked into place.

- Hold the card in a straight orientation to the card slot. Do not attempt to insert the card at an angle.
- Note the orientation of the card. If it is inserted incorrectly, it may become jammed.

■ **Removing the card**




Push in the card lightly to unlock it, then pull it out.


3 Close the card cover securely until it clicks.



Power on/off

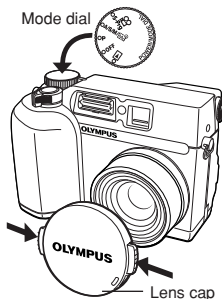
1 Before turning the camera on, press the tabs on the lens cap to remove it.

2 Set the mode dial to P, A/S/M/  ,  or  .

















- The camera turns on.
- The lens moves out when the mode dial is not set to  .

3 Set the mode dial to OFF.

- The power turns off.














Date/time setting

- 1 Set the mode dial to P.
- 2 Press  .
 - The monitor turns on automatically and the top menu appears.
- 3 Press  on the arrow pad to select **MODE MENU**.
- 4 Press  to select **SETUP**, then press .
- 5 Press  to select , then press .
- 6 When  is selected on the screen, press  to select the date format.
 - Select any one of the following formats:
 - D-M-Y (Day/Month/Year)
 - M-D-Y (Month/Day/Year)
 - Y-M-D (Year/Month/Day)
 - This step and the following steps show the procedure used when the date and time settings are set to Y-M-D.
- 7 Press  to move to the year (Y) setting.
- 8 Press  to set the year. When the year is set, press  to move to the month (M) setting.
 - Repeat this procedure until the date and time are completely set.
 - To move back to the previous setting, press .
 - The first two digits of the year cannot be changed.
 - The camera can only display the time in “number of hours”, or what is commonly known as military time. Consequently, 2 p.m. would be 14:00 hours, or 12:00 hours + 2:00 hours =14:00 hours.
- 9 Press  .
 - If  is pressed again, the menu will disappear.
 - For a more accurate setting, do not press  until the time is actually at 00 seconds. The camera's built-in clock starts when you press this button.
- 10 To turn the camera off, set the mode dial to OFF.

.....  **Note**

- The date setting will be canceled if the camera is left with no batteries for approximately 1 hour. If this happens, you will need to set the date again.

- 1 Set the mode dial to P.
- 2 Press .
 - The monitor turns on automatically and the top menu appears.
- 3 Press  on the arrow pad to select **MODE MENU**.
- 4 Press  to select **SETUP**, then press .
- 5 Press   to select , then press .
- Languages vary depending on the area of purchase.
- 6 Press   to select a language. Press .
- 7 To turn the camera off, set the mode dial to OFF.

Factory default setting: ENGLISH

.....  **Note**


- The current settings stay the same even when the power is turned off, unless they are readjusted.

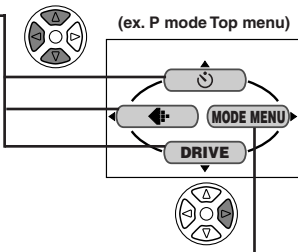
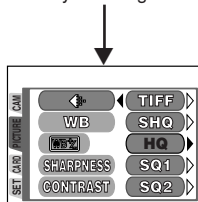
USING THE MENU

En

When displaying menus, the first screen that appears on the monitor is called the top menu. The contents of this menu change depending on the mode. On the top menu, two types of menus are available: **MODE MENU** and the other menus (shortcut menus).

Short cut menus


- Take you directly to each item's setting screen.
- Display operational buttons at the bottom of the screen, and let you select items by pressing Δ ∇ .
- The short cut menus can be replaced in any shooting mode except .



Mode menu

MODE MENU (displayed on the top menu) contains all the functions that are available and is divided into four tabs: CAMERA, PICTURE, CARD, and SETUP. These can be selected with the tabs on the left of the screen by using Δ ∇ .

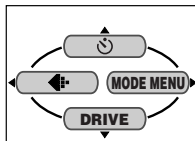
How to Set a Function in MODE MENU

- 1 On the top menu, enter MODE MENU.
- 2 Select a tab (CAMERA, PICTURE, CARD, or SETUP) by using Δ ∇ . Press \triangleright .
- 3 Select the function you want by using Δ ∇ . Press \triangleright .
- 4 Select your settings by using Δ ∇ . Press .

For more details on the camera functions described in this manual, refer to the camera Reference Manual on the CD-ROM enclosed in the camera package. Some function settings may not be available depending on the mode. Factory default settings of some functions vary depending on the mode.

Modes & Shortcut Menus

P top menu



	Display	Function	Setting
Shooting mode		Sets self-timer shooting.	OFF, ON
	SCENE SELECT	Jumps to the virtual dial screen. You can select a shooting mode.	
	A/S/M	Jumps to the virtual dial screen. You can select a shooting mode.	A, S, M, , , ,
		Sets the record mode.	TIFF*1, SHQ*2, HQ*2, SQ1*3, SQ2*4
	DRIVE	Selects a sequential mode from (single-frame shooting), (sequential shooting), (AF sequential shooting) or BKT (auto bracketing).	, , , BKT ($\pm 0.3/\pm 0.7/\pm 1.0$, x3/x5)
Playback mode	DIGITAL ZOOM	The maximum optical zoom (3x) can be extended even more by the 3.5x digital zoom, making possible up to approx. 10x zoom.	OFF, ON
		Runs through all saved pictures one after another.	-
	MOVIE PLAY	Plays back movies. You can also make indexes of still-shots from movies.	MOVIE PLAYBACK, INDEX, EDIT
	INFO	Changes the amount of shooting information displayed on the monitor.	OFF, ON
		Displays a histogram showing the luminance distribution of recorded pictures.	OFF, ON

*1: 2288 x 1712, **3:2** 2288 x 1520, 2048 x 1536, 1600 x 1200, 1280 x 960, 1024 x 768, 640 x 480

*2: 2288 x 1712, **3:2** 2288 x 1520, ENLARGE SIZE 3200 x 2400

*3: 2048 x 1536, 1600 x 1200, 1280 x 960, HIGH/NORMAL

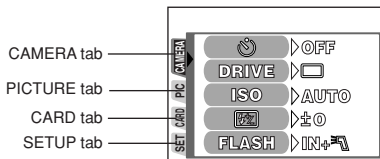
*4: 1024 x 768, 640 x 480, HIGH/NORMAL

USING THE MENU (Cont.)

En



Tabs & MODE MENU functions (shooting)









In the shooting mode, the MODE MENU has 4 tabs. Press Δ ∇ to select a tab and display the associated menu items.



CAMERA tab

Display	Function	Setting
	Sets self-timer shooting.	OFF, ON
DRIVE	Selects a sequential mode from (single-frame shooting), (sequential shooting), (AF sequential shooting) or BKT (auto bracketing).	, , , BKT ($\pm 0.3/\pm 0.7/\pm 1.0$, x3/x5)
ISO	Selects ISO sensitivity from AUTO/100/200/400.	AUTO, 100, 200, 400
	Adjusts the flash intensity for different shooting conditions.	-2.0 – +2.0
FLASH	When using an external flash, you can choose whether to use it with the built-in flash or by itself.	IN+ ,
SLOW	Adjusts the flash for slow shutter speeds.	SLOW1, SLOW, SLOW2
NOISE REDUCTION	Reduces the noise on images during long exposures.	OFF, ON
MULTI METERING	Decides the best exposure by metering up to 8 different spots in the image.	OFF, ON
DIGITAL ZOOM	The maximum optical zoom (3x) can be extended even more by the 3.5x digital zoom, making possible up to approx. 10x zoom.	OFF, ON
FULLTIME AF	Keeps the image in focus at all times without having to press the shutter button halfway.	OFF, ON
AF MODE	Selects the auto focus method (iESP or SPOT).	iESP, SPOT

CAMERA tab		
Display	Function	Setting
	Lets you shoot from as close as 2 cm to your subject (super macro mode).	OFF, ON
PANORAMA	Allows panorama pictures to be taken with Olympus CAMEDIA-brand cards.	-
2 IN 1	Combines two pictures taken in succession and stores them as a single picture.	-
FUNCTION	Lets you shoot pictures in black & white or sepia tone.	OFF, BLACK&WHITE, SEPIA, WHITE BOARD, BLACK BOARD
AF AREA	Lets you change the position of the AF target mark using the arrow pad.	-
INFO	Changes the amount of shooting information displayed on the monitor.	OFF, ON
	Displays a histogram showing the brightness and contrast of the subject in your monitor.	OFF, ON

PICTURE tab		
Display	Function	Setting
	Sets the record mode resolution.	TIFF*1, SHQ*2, HQ*2, SQ1*3, SQ2*4
WB	Sets the appropriate white balance according to the light source.	AUTO, PRESET ( ,  ,  ,  ,  , )
	Lets you make fine changes to the white balance manually.	-7.0 – +7.0
SHARPNESS	Adjusts the sharpness of images.	-5 – +5
CONTRAST	Adjusts the contrast of images.	-5 – +5
SATURATION	Adjusts the level of color depth without changing tint.	-5 – +5

*1: 2288 x 1712, **3:2** 2288 x 1520, 2048 x 1536, 1600 x 1200, 1280 x 960, 1024 x 768, 640 x 480

*2: 2288 x 1712, **3:2** 2288 x 1520, ENLARGE SIZE 3200 x 2400

*3: 2048 x 1536, 1600 x 1200, 1280 x 960, HIGH/NORMAL

*4: 1024 x 768, 640 x 480, HIGH/NORMAL










USING THE MENU (Cont.)

En








CARD tab

Display	Function	Setting
CARD SETUP	Formats cards.	—

SETUP tab

Display	Function	Setting
ALL RESET	Selects whether to keep the current camera settings when you turn off the power.	OFF, ON
 *5	Selects a language for on-screen display.	ENGLISH, DEUTSCH, FRANÇAIS, ESPAÑOL
PW ON SETUP	Sets the picture displayed on the monitor when the power is turned on.	OFF, 1, 2
PW OFF SETUP	Sets the picture displayed on the monitor when the power is turned off.	OFF, 1, 2
REC VIEW	Selects whether to display images while saving them to a card.	OFF, ON
	Sets the beep sound (used for warnings, etc.) to OFF/LOW/HIGH.	OFF, LOW, HIGH
MY MODE SETUP	Customizes settings, which are activated in the  mode.	CURRENT (SET, CANCEL), RESET (ALL RESET, CANCEL), CUSTOM,  1 /  2 /  3 /  4
FILE NAME	Chooses how to name files and folders of images to be saved.	RESET, AUTO
PIXEL MAPPING	Checks the CCD and image processing circuit for errors.	—
	Adjusts the brightness of the monitor.	— ····· ◆ ····· +
	Sets the date and time.	—
m/ft	Sets the measurement units (m/ft) used during manual focus.	m, ft

*5 Available languages vary depending on the area where you purchased this camera.

SETUP tab		
Display	Function	Setting
VIDEO OUT	Selects NTSC or PAL according to your TV's video signal type. TV video signal type differs depending on the region.	NTSC, PAL
SHORT CUT	Lets you assign frequently-used functions as shortcut menus on the top menu.	A/B, all items included in the CAMERA tab (except AF AREA) and all items ncluded in the PICTURE tab
CUSTOM BUTTON	Lets you assign a frequently used function to the camera's custom button.	 VIRTUAL DIAL, AE LOCK,  , DRIVE, ISO,  FLASH,  SLOW, NOISE REDUCTION, DIGITAL ZOOM, FULLTIME AF, AF MODE,  , FUNCTION, INFO,  ,  , WB

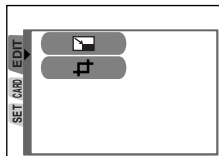
USING THE MENU (Cont.)

En

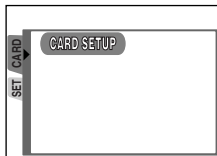
Tabs & MODE MENU functions (playback)

When a still picture is played back, the MODE MENU has 3 tabs. When a movie is played back, the MODE MENU has 2 tabs. Press $\Delta \nabla$ to select a tab and display the associated menu items. The EDIT tab is not available during movie playback.

During still picture playback



During movie playback



EDIT tab

Display	Function	Setting
	Makes the file size smaller.	640 x 480, 320 x 240
	Enlarges a part of a picture and saves it as a new picture.	—

CARD tab

Display	Function	Setting
CARD SETUP	Formats cards (FORMAT), or erases all images in the card (ALL ERASE).	—

SETUP tab

Display	Function	Setting
SCREEN SETUP	Registers a stored picture so that you can select it in PW ON SETUP and/or PW OFF SETUP.	—
	Selects the number of frames in the index display.	4, 9, 16

ALL RESET, , PW ON SETUP, PW OFF SETUP, , , , VIDEO OUT: Same as described in SETUP under "Tabs & MODE MENU functions (shooting)".

Shooting mode setting — Mode dial

P Program shooting

The camera sets aperture and shutter speed.

A/S/M/ Aperture priority/Shutter priority/Manual/My mode shooting

When the mode dial is set to A/S/M/, you can select any of the following shooting modes.

● **A** Aperture priority shooting

You set the aperture and the camera sets the shutter speed.



● **S** Shutter priority shooting

You set the shutter speed and the camera sets the aperture.

● **M** Manual shooting


You set both the aperture and shutter speed.

● My Mode

Your favorite settings can be saved in MY MODE SETUP (in the menu's SETUP). Customized settings are activated when the power is turned on in the  mode. Settings such as aperture value, zoom position, etc. can be customized. In the  mode, you can select exposure mode (shooting mode) from P, A, S, M or S-Prg. Settings can be specified with the camera's setting menus.

In MY MODE SETUP, you can create and save up to 4 different My Mode settings. Items in the short cut menu can be different from those in the P or S-Prg mode short cut menus.

Movie record/Scene program shooting

When the mode dial is set to , you can select any of the following shooting modes.

● **Movie record**

Allows you to record movies. The camera sets the aperture and shutter speed automatically. Focus and exposure are locked when the shutter button is pressed halfway. You cannot record movies with sound.

● **Self-Portrait shooting**

Enables you to take a picture of yourself while holding the camera. Point the lens towards you and take a shot. The focus is locked on you (shooter). The camera automatically selects the optimal settings for this type of shooting condition. Zooming is not possible.

● **Night Scene shooting**

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. For example, if you take a picture of a street at night in the P mode, the lack of brightness will result in a dark picture with only the sparkle of lights such as street lamps appearing. In the Night Scene shooting mode, the true appearance of the street can be captured. The camera automatically selects the optimal settings for this type of shooting condition. Since the shutter speed is slow, make sure you stabilize the camera by using a tripod.

● **Landscape+Scene shooting**

Suitable for taking pictures of landscapes and other outdoor landscape scenes. Both the foreground and the background are in focus. Since blues and greens are reproduced vividly in this mode, the Landscape-Scene mode is excellent for shooting natural scenery. The camera automatically sets the optimal shooting conditions.

● **Landscape+Portrait shooting**

Suitable for taking photos both your subject and the background. The picture is taken with the background as well as the subject in the foreground in focus. The camera automatically sets the optimal shooting conditions.

● **Sports shooting**

Suitable for capturing fast-moving action (such as sports) without blurring. The camera automatically sets the optimal shooting conditions.





● **Portrait shooting**





Suitable for shooting a portrait-style image of a person. This mode features an in-focus subject against a blurred background. The camera automatically sets the optimal shooting conditions.

/A/S/M/ mode setting

Mode dial setting








- 1  : Set the mode dial to .
A/S/M/  : Set the mode dial to A/S/M/ .

- 2 Press the  (custom) button to display the virtual dial screen.
- 3 Press   repeatedly until the desired mode is displayed in the center of the screen. Press .
 - The virtual dial screen disappears.

Aperture setting — Aperture priority shooting

Mode dial setting








- 1 Select A from “ /A/S/M/  mode setting”.
- 2 To increase the aperture value (F-number), press .
 To decrease the aperture value (F-number), press .

Shutter speed setting — Shutter priority shooting

Mode dial setting



- 1 Select S from “ /A/S/M/  mode setting”.
- 2 To set a faster shutter speed, press .
 To set a slower shutter speed, press .

Aperture & Shutter speed setting — Manual shooting

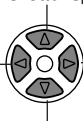
Mode dial setting



1 Select M from “ / A/S/M/ mode setting”.

2 To set a faster shutter speed, press Δ .

To increase the aperture value (F-number), press \triangleleft .



To decrease the aperture value (F-number), press \triangleright .

To set a slower shutter speed, press ∇ .

Using My Mode

Your favorite settings can be saved in MY MODE SETUP (in the menu's SETUP). Customized settings are activated when the power is turned on in the mode. Settings such as aperture value, zoom position, etc. can be customized.

In MY MODE SETUP, you can create and save up to 4 different My Mode settings.

“USING THE MENU”

Mode dial setting

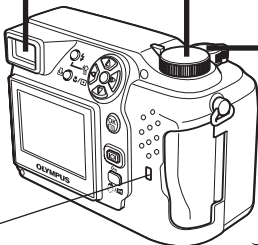


Follow steps 1 through 3 in “ / A/S/M/ mode setting”. In step 3 select , , or .

1 Remove the lens cap. Set the mode dial to P, A/S/M/My or s-PrG .

Shooting mode: P, A/S/M/My, [M], [A], [S], [P], [M], [A], [S], [P], [M]

2 Point the camera towards a subject while viewing through the viewfinder.



Card access lamp



3 To focus on the subject, press the shutter button halfway, slowly and gently.

- When the subject is in focus, the green lamp lights steadily.



Green lamp

4 To start shooting, press the shutter button gently all the way (fully).

- When the orange lamp lights, the flash fires automatically when required.
- The card access lamp blinks and the camera begins storing pictures on the card.

Note

- Never open the card cover, eject the card, remove the batteries, or disconnect an optional AC adapter when the card access lamp is blinking. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.

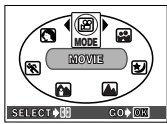
Recording movies

Mode dial setting



1 Remove the lens cap and set the mode dial to .

- The factory default setting is . To change to the movie mode, first press the button. Press \triangleleft \triangleright repeatedly until is selected on the screen, then press .



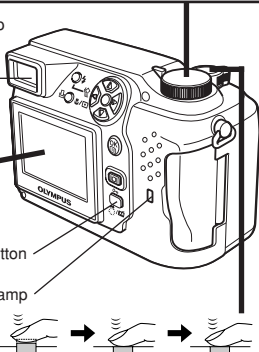
2 Point the camera towards a subject while viewing with the monitor.



Green lamp

button

Card access lamp



3 Press the shutter button halfway.

- When the subject is in focus, the green lamp blinks once.

4 Press the shutter button all the way to start recording.

- During movie recording, the orange lamp next to the viewfinder is illuminated and lights in red on the monitor.

AF target mark



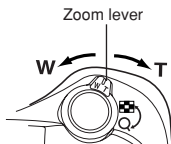
Seconds remaining

5 Press the shutter button all the way again to stop recording.


- The card access lamp blinks and the camera starts writing the movie to the card.
- If the displayed seconds remaining reach "0", shooting finishes automatically and the camera starts writing the movie to the card.

■ Zoom

- To zoom in on a subject, press the zoom lever towards T. To shoot a wider-angle picture, press the zoom lever towards W.
- Telephoto/Wide-angle shooting is possible at up to 3x magnification (optical zoom limit, equivalent to 32 mm-96 mm on a 35 mm camera). By combining the digital zoom with the 3x optical zoom, zoom magnification can be extended to a maximum of approx. 10x.



■ How to shoot using the monitor

- Press the  (monitor) button and then follow steps 3 and 4 in "Taking still pictures".

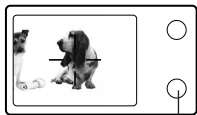
■ Focus lock



If the subject of your composition is not within the AF target mark and focusing is not possible, try the following:

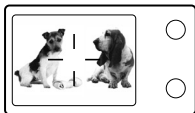
1 Position the AF target mark over the subject. Press the shutter button halfway to lock the focus.

- Brightness (exposure) is also locked and the green lamp lights.



Green lamp

2 Compose your picture (point the camera towards the subject) while keeping the shutter button pressed halfway.



Press the shutter button all the way.

■ Using the flash

Mode dial
setting



Auto-flash (No indication, factory default setting) :
Automatically fires in low-light and backlight conditions.

Red-eye reduction flash :

Significantly reduces the phenomenon of “red-eye” (subject’s eyes appearing red).

Fill-in flash :

Always fires regardless of the lighting conditions.

Flash off :

For situations where flash is prohibited, or when not using the flash.

Slow synchronization SLOW1 SLOW2 SLOW:

In the top menu, select **MODE MENU** → **CAMERA** → SLOW → SLOW1, SLOW2 or SLOW. Press .

Press again to cancel the menu.

1st curtain (front curtain) SLOW1 (factory default setting):

Adjusts the flash for slow shutter speeds.

2nd curtain (rear curtain) SLOW2:


In contrast to 1st curtain, 2nd curtain fires the flash just before the shutter closes.


1st curtain with red-eye reduction SLOW:



Adjusts the flash for slow shutter speeds, and minimizes red-eye.

Press the (flash mode) button repeatedly until the desired flash mode indication appears.

■ Drive mode

Single-frame shooting  : Shoots 1 frame at a time when the shutter button is pressed all the way. (normal shooting)

Sequential shooting  : Shoots pictures sequentially. Focus, exposure and white balance are locked at the first frame.

AF Sequential shooting   : Shoots pictures sequentially. Focus is adjusted for each frame automatically. The AF Sequential shooting speed is lower than normal sequential shooting.

Auto bracketing BKT : Shoots multiple frames of the same picture, each with a different exposure value. Focus and white balance are locked at the first frame.





In the top menu, select **MODE MENU** → **CAMERA** → **DRIVE** →  ,  or **BKT**. Press  . Press again to cancel the menu.

■ Metering modes

There are 3 metering methods: Digital ESP metering, spot metering and multi-metering.


Digital ESP metering: Meters the center of the frame and the area around it separately to determine the optimal exposure.

Spot metering: Exposure is determined by metering within the AF target mark. In this mode, a subject can be shot with optimal exposure regardless of the background light. In the working range of the macro mode, spot metering is also available (spot metering+macro mode).

Press the  /  button repeatedly until  (spot metering) or  (spot metering+macro mode) appears.

Multi-metering:  Tabs & **MODE MENU** functions (shooting)

■ AE lock

Suitable for situations when optimal exposure is difficult to achieve (such as excessive contrast between the subject and the surroundings). For example, if nearly the whole frame is taken up with sky, shooting with automatic exposure will result in a dark subject. In this case, first frame an image without any sky. Then, press the  button to lock the exposure of the non-sky frame. Finally, compose your shot again with the sky in the frame and shoot. In other words, use AE lock when you want an exposure setting that's different from the setting that would normally apply to the image you want to shoot.

■ Macro mode shooting



Focusing is usually slow when you get close to a subject. However, in the mode focusing is performed quickly. The (macro) mode allows you to shoot close to the subject (within 20 cm – 80 cm (7.8" – 31")). When the zoom lever is pressed to the maximum W position, you can fill the entire frame with your subject.

Press the /☐ button repeatedly until (Macro mode) or ☐ (Spot metering+Macro mode) appears.

When is activated, you can shoot from as close as 2 cm (0.7") to your subject. In the mode, normal shooting is also possible. "USING THE MENU"

■ Exposure Compensation



This function allows you to make fine changes to the present exposure setting. In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. You can adjust between +/-2.0 in 1/3 steps.



■ Manual focus



1 Hold down for more than 1 second.

When the focus distance selection screen appears on the monitor, press to select MF.

2 Press to select the focus distance.

- During operation, you can enlarge the area you are focusing on. This lets check the image area that the camera actually records. The lengths shown are for reference only. When the length indicator is moved to less than 80 cm (31"), the bar display automatically switches to the 20 cm (7.8") – 80 cm (31") bar display.

3 Hold down for more than 1 second to save the setting.

4 Shoot.

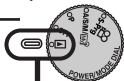
- Focus is locked at the distance you have set.

5 To cancel the saved MF setting, hold down again for more than 1 second to display the focus distance selection screen.


6 To return to the AF mode, press to select AF, then press .

Viewing still pictures

- 1** Set the mode dial to  (playback mode).



- 2** Display the desired pictures using the arrow pad.

- Pictures indicated by  are movie frames.

Jumps to the picture 10 frames behind.



Displays the next picture.

Jumps to the picture 10 frames ahead.

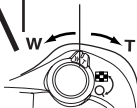
Displays the previous picture.

Turning the zoom lever towards

T: Enlarges the picture.


W: Displays multiple pictures at the same time.

Zoom lever





Quick View



Press  (Quick View) twice quickly (double-click) while in the shooting mode.

- The monitor turns on and displays the last picture taken.

Press  to avoid accidentally erasing images.
To cancel protection, press  again.

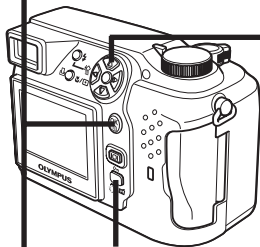




Protect mark 


Playing back movies

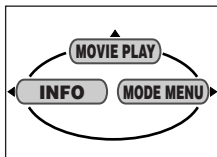
- 1** Display the movie frame (picture with ) you want to play back.
 Steps 1 and 2 in "Viewing still pictures".


- 2** Press .
 • The top menu appears.




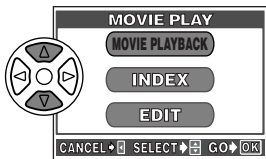
Press  to avoid accidentally erasing images. To cancel protection, press  again.





- 3** Press  on the arrow pad to select **MOVIE PLAY**.



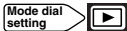
- 4** Press  to select **MOVIE PLAYBACK** on the **MOVIE PLAY** screen.

- To exit the **MOVIE PLAY** screen, press .



- 5** Press  to start playback.
- When playback finishes, the screen returns to the beginning of the movie.
 - If  is pressed again when the movie playback is finished, the **MOVIE PLAYBACK** screen appears. To exit the movie playback mode and return to the **MOVIE PLAY** screen, press  to select **EXIT**, then press .




■ Protect (Protecting Images Against Accidental Erasure)



It is highly recommended that you protect important pictures to avoid accidentally erasing them. Protected pictures cannot be erased by the single-frame/all-frame erase function.




- 1 Display the picture you want to protect by using the arrow pad.
- 2 Press **ON**. The picture is now protected.
 - To cancel protection, press **ON** again.

■ Single-Frame Erase


- 1 Select a picture you wish to erase by using the arrow pad.
 - If the picture is protected, cancel the protection first.
- 2 Press the  (erase) button. The  ERASE screen is displayed.
- 3 Press **△** to select YES.
- 4 Press **⊗** to erase the picture.
 - To cancel erasing, select NO in step 3 and press **⊗**, or press the  button again.

■ All-Frame Erase

This function erases all still pictures and movies on the card, except protected ones.

- 1 In the top menu, select **MODE MENU** → **CARD** → **CARD SETUP** →  **ALL ERASE**.
- 2 Press **▷**. The **CARD SETUP** screen is displayed.
- 3 Press **△** to select  **ALL ERASE**, then press **⊗**. The  **ALL ERASE** screen is displayed.
- 4 Press **△** to select YES.
- 5 Press **⊗** to start erasing.
 - A bar is displayed to show the progress of erasing.
 - To cancel erasing, select NO in step 4 and press **⊗**.

.....  **Note**

- It is not possible to erase protected pictures or pictures stored on a card that has a write-protect seal.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep.  “Protect (Protecting Images Against Accidental Erasure)”

■ Formatting Cards

Mode dial
setting









This function lets you format a card. Formatting prepares cards to receive data. Olympus CAMEDIA-brand cards are highly recommended for use with this camera. If you are going to use non-OLYMPUS cards or cards formatted by other devices such as a computer, you must format them with the camera before use. Cards can be formatted in all modes.


1 In the top menu, select **MODE MENU** → **CARD** → **CARD SETUP**.


2 Press .

- P A/S/M/   : The  **FORMAT** screen is displayed.
-  : The **CARD SETUP** screen is displayed.

3 P A/S/M/   : Press  to select **YES**.

 : Press  to select  **FORMAT**, then press . The  **FORMAT** screen is displayed. Press  to select **YES**.

4 Press  to start formatting.

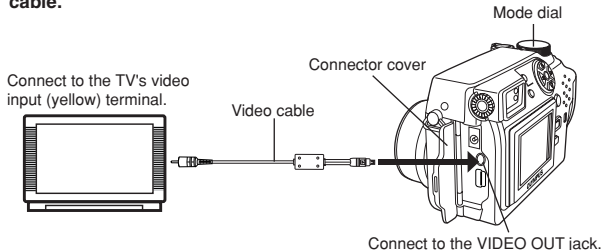
- A bar is displayed to show the progress of formatting.
- To cancel formatting, select **NO** in step 3 and press .



.....  **Note**

- All existing data stored on the card is erased when the card is formatted. Make sure that you save or transfer important data to a PC before formatting a used card.

■ Playback on a TV

- 1 Make sure that the TV and camera power are off .
- 2 Connect the camera's VIDEO OUT jack to the TV using the video cable.



- 3 Set the mode dial to  . Turn on the TV. Set the TV to the video input mode.
 - For details on switching to video input, refer to your TV's instruction manual.
- 4 Select an image by using the arrow pad.
 - The selected image will be displayed on the TV.
 - There may be times when you want to rotate a picture. With picture rotation, you can turn them horizontally, 90 degrees clockwise, or counter-clockwise. Each time the  button is pressed, the picture is rotated.

..... Note

- Make sure that the camera's video output signal type is the same as the TV's video signal type.

Mode dial
setting



By specifying the desired number of prints of each picture on the card and whether or not the date and time are to be printed, you can print out the desired pictures according to the print reservation data with a DPOF-compatible printer or at a DPOF photo lab.

What is DPOF?

DPOF is short for Digital Print Order Format. DPOF is a format used to record automatic print information from cameras.

By specifying which pictures are to be printed, the pictures can be printed easily by DPOF-compatible printing service labs or on a personal DPOF-compatible printer.

All-frame reservation

Use this feature to print all the pictures stored on the card. You can specify the desired number of prints and whether or not the date and time are to be printed.

Single-frame reservation

Use this feature to print only selected pictures. Display the frame to be printed and select the desired number of prints.

Trimming setting

It is possible to enlarge a part of a recorded picture and to print out the enlarged section only.

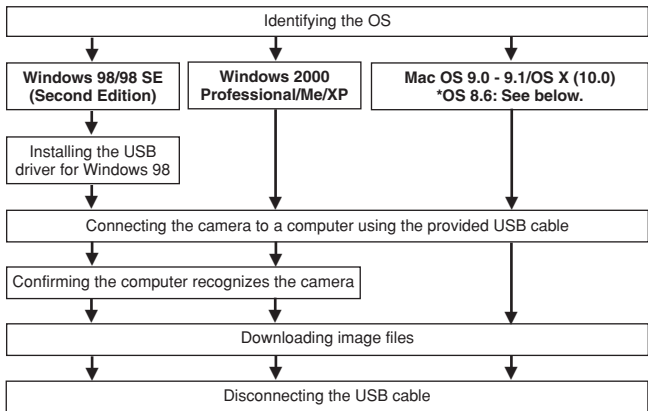
Resetting the print reservation data

This function allows you to reset all the print reservation data for pictures stored on the card.

For more details, refer to the "Reference Manual" on CD-ROM.

TRANSFERRING PICTURES TO A COMPUTER

By connecting the camera to a computer with the provided USB cable, images on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup when connecting to the camera for the first time. Follow the chart below. For details on the procedures in the chart, refer to the "Reference Manual" on the CD-ROM and the "Software Installation Guide" (included in the CD-ROM package).



* Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).

- Windows 95/NT 4.0
- Windows 98/98 SE upgrade from Windows 95
- Mac OS 8.6 or lower (except Mac OS 8.6 equipped with USB MASS Storage support 1.3.5 installed at the factory)
- Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.

■ You can view images using: graphics applications that support the JPEG file format (Paint Shop Pro, Photoshop, etc.); Internet browsers (Netscape Communicator, Microsoft Internet Explorer, etc.); CAMEDIA Master software; or other software. For details on using commercial graphics applications, refer to their instruction manuals.

TRANSFERRING PICTURES TO A COMPUTER (Cont.)

En


For other OS users

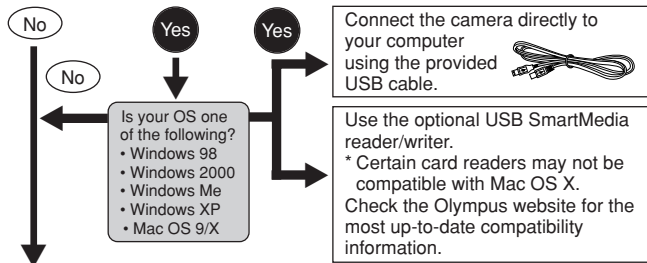
Users running other OS cannot connect the camera directly to a computer.

● Windows 95 ● Windows NT ● Mac OS before OS 9

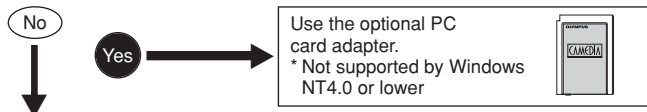
You can download images directly to your computer using an optional floppy disk adapter or PC card adapter.

Does your computer have a USB interface?

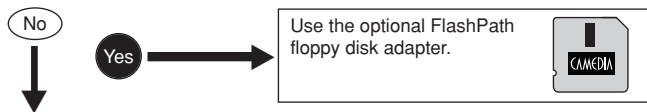
Is there a port marked  on your computer?



Does your computer have a built-in PC card slot?



Does your computer have a built-in floppy disk drive?



Consult your nearest Olympus representative.

For more details on the camera functions described in this manual, refer to the camera Reference Manual on the CD-ROM enclosed in the camera package.

For more details on PC connections, refer to the "Software Installation Guide" (included in the CD-ROM package).

Note

- QuickTime is needed for playing back movies. QuickTime is included on the provided software CD.
- If you want to process images, make sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

OPTIONAL ACCESSORIES

As of April 2002

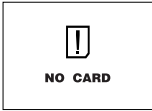
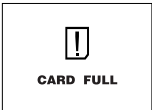


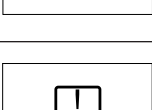
- Camera case
- Conversion lenses
 - Wide-angle
 - Telephoto
 - Macro
- P-400 and P-200 photo printers for Olympus digital cameras
- AC adapter
- Standard SmartMedia card (8/16/32/64/128MB)
- Floppy disk adapter
- PC card adapter
- Olympus-brand removable media reader/writer
- NiMH batteries
- NiMH battery chargers
- CR-V3 long-life lithium batteries


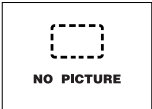
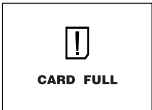


Visit the Olympus home page for the latest information on optional items.
<http://www.olympus.com/>

ERROR CODES

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If there is a problem with your camera, one of the error codes below will appear.

Indications	Possible causes	Corrective action
 <p>NO CARD</p>	The card is not inserted, or it cannot be recognized.	Insert a card correctly or insert a different card.
 <p>CARD FULL</p>	No more pictures can be taken.	Replace the card or erase unwanted pictures.
 <p>WRITE-PROTECT</p>	Writing to the card is prohibited.	Remove the write-protect adhesive seal attached to the card.
 <p>CARD ERROR</p>	Cannot record, play back or erase pictures on this card.	If the card is dirty, wipe the gold contacts with a clean tissue and insert it again. If the problem is still not corrected, the card cannot be used.
 <p>PICTURE ERROR</p>	The recorded image cannot be played back with this camera.	Download the image to a personal computer and use image processing software to view it. If that cannot be done, the image file is damaged.

Indications	Possible causes	Corrective action
	The card is not formatted.	Format the card.
	There are no pictures on the card, so there is nothing to play back.	Insert a card that contains images.
	There is no empty space on the card, so it cannot record new information such as print data.	Replace the card or erase unneeded pictures.
	The card cover is open.	Close the card cover.
	The battery is dead. The camera stops working. The card access lamp and self-timer lamp blink at the same time.	Install either new or freshly charged batteries.
Other indications	Consult your nearest Olympus dealer or customer support department (see back cover).	

SPECIFICATIONS

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Product type	Digital camera (for shooting and displaying)
Recording system	
Still	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF)), TIFF (non-compression), Digital Print Order Format (DPOF)
Movie	QuickTime Motion JPEG support
Memory	3V (3.3V) SmartMedia, 4 MB - 128 MB (all cards except 2 MB)
No. of storable pictures (When a 16 MB card is used)	1 frame (TIFF: 2288x1712) Approx. 5 frames (SHQ: 2288x1712) Approx. 16 frames (HQ: 2288x1712) Approx. 20 frames (SQ1: 2048x1536) Approx. 76 frames (SQ2: 1024x768)
No. of effective pixels	4,000,000 pixels
Image pickup device	1/1.8" CCD solid-state image pickup 4,130,000 (gross)
Recording image resolutions	3200 x 2400 pixels (ENLARGE SIZE: SHQ/HQ) 2288 x 1712 pixels (TIFF/SHQ/HQ) 2288 x 1520 pixels (TIFF/SHQ/HQ) 2048 x 1536 pixels (TIFF/SQ1) 1600 x 1200 pixels (TIFF/SQ1) 1280 x 960 pixels (TIFF/SQ1) 1024 x 768 pixels (TIFF/SQ2) 640 x 480 pixels (TIFF/SQ2)
Lens	Olympus lens 6.5 mm to 19.5 mm, f2.8, 8 elements in 6 groups (equivalent to 32 mm to 96 mm lens on 35 mm camera)
Photometric system	Digital ESP metering, Spot metering system
Aperture	f2.8 to f11
Shutter speed	Used with mechanical shutter
Still	1 to 1/1000 sec. (M mode: 16 to 1/1000 sec.; S mode: 4 to 1/1000 sec.)
Movie	1/30 to 1/8000 sec.
Viewfinder	Optical real image viewfinder

Monitor	1.8" TFT color LCD display Approx. 114,000 pixels
Battery charging time for flash	Approx. 6 sec. (at normal temperature with new batteries)
Autofocus	TTL system autofocus, Contrast detection system, Focusing range: 2 cm to ∞ (0.7 in to ∞)
Outer connector	DC-IN jack, USB connector (mini-B), VIDEO OUT jack, 5-pin external flash socket
Automatic calendar system	Up to 2099
Operating environment	
Temperature	0°C to 40°C (32°F to 104°F) (operation) -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	30% to 90% (operation) 10% to 90% (storage)
Power supply	For batteries, use 2 CR-V3 lithium battery packs, or 4 AA (R6) NiMH batteries, NiCd batteries, Alkaline batteries or lithium batteries. AC adapter (optional) Manganese (zinc-carbon) batteries cannot be used.
Dimensions (W) X (H) X (D)	109.5 mm x 76.5 mm x 66.5 mm (4.3" x 3.0" x 2.6")
Weight	295 g (0.6 lb) (without batteries/card)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.