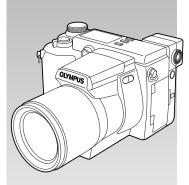
CVWEDIV

OLYMPUS®

DIGITAL CAMERA

C-2100 Ultra Zoom

INSTRUCTIONS



- 1 GETTING STARTED
- 2 BASIC FUNCTIONS
- 3 SHOOTING FOR SPECIAL SITUATIONS
- 4 USING YOUR CAMERA'S ADVANCED FUNCTIONS
- 5 ADVANCED RECORDING/ DISPLAY TECHNIQUES
- 6 PRINT SETTINGS
- 7 TRANSFERRING PICTURES TO A COMPUTER
- 8 MISCELLANEOUS

- 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.

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.

Legal and other notices

- •All contents of this publication are subject to change without notice.
- •Although the contents of this publication have been carefully checked to avoid errors, some may still occur. If you have a question about any points, or find mistakes or omissions, please contact us.
- •No part of this publication may be reproduced or reprinted except for personal use without prior written permission from Olympus.
- •Olympus makes no representations or warranties regarding any damages, or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.
- •Olympus makes no representations or warranties regarding any damages or any benefit expected by using this unit lawfully which are caused by erasing picture data.
- •Olympus reserves all rights to this manual.

Radio and Television Interference

Change or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- •Adjust or relocate the receiving antenna.
- •Increase the distance between the camera and receiver.
- •Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Only the RS-232C serial cable or USB cable should be used to connect the camera to a personal computer (PC).

Declaration of Conformity

Model Number: C-2100 Ultra Zoom

Trade Name: OLYMPUS

Responsible Party: Olympus America Inc.

Address: 2 Corporate Center Drive, Melville, New York 11747-3157

USA

Telephone Number: 631-844-5000

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, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

Trademarks

Windows® is a registered trademark of Microsoft Corporation.

Macintosh™ is a trademark of Apple Computer Inc.

All other brand names and product names are 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 Industry Development Association (JEIDA).

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CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED OLYMPUS SERVICE PERSONNEL.



A lightning flash with an arrowhead, enclosed in a triangle, alerts you to the presence of uninsulated voltage points inside the product which could cause a serious electrical shock.



An exclamation point enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.

WARNING!

TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.

Important safety instructions (cont.) -

- 1 Read All Instructions Before you use the product, read all operating instructions.
- 2 Save These Instructions Save all safety and operating instructions for future reference.
- 3 Heed Warnings Read carefully and follow all warning labels on the product and all warnings described in the instructions.
- 4 Follow Instructions Follow all instructions provided with this product.
- 5 Cleaning Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
- Attachments For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.
- 7 Water and Moisture Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, or swimming pool).
- 8 Location To avoid damage to the product and to avoid personal injury, never place this product on an unstable stand, tripod, bracket, table or cart. Mount only on a stable tripod, stand, or bracket. Follow the instructions which describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
- 9 Power Sources Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company. Refer to your operating instructions for information on using the product with batteries.
- 10 Grounding, Polarization If this product can be used with an optional AC adapter, the adapter may be equipped with a polarized alternating current line plug, a plug with one blade wider than the other. This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and then insert it again. If the plug still fails to fit, contact an electrician and have the receptacle replaced.
- 11 Protecting the Power Cord The power supply cord should be routed so it will not be walked on. Never place a heavy object on the power cord and never wrap the power cord around the leg of a table or chair. Keep the areas around the power cord connection points, at the power outlet and at the product connection, free of all obstacles.

- 12 Lightning If a lightning storm occurs while using the optional AC adapter, unplug the adapter power cord from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the camera when the camera is not in use.
- 13 Overloading Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.
- 14 Foreign Objects, Spillage To avoid personal injury from fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.
- 15 Servicing Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.
- 16 Damage Requiring Service While using the optional AC adapter, if you notice any of the conditions described below, unplug the AC adapter from the wall outlet and refer servicing to qualified service personnel:
 - a) If liquid has been spilled, or any object has fallen into the product.
 - b) If the product has been exposed to water.
 - c) If the product does not operate normally while following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product, requiring extensive repair work by a qualified technician to restore the product to normal operation.
 - d) If the product has been dropped or damaged in any way.
 - e) If the product exhibits a distinct change in performance, this indicates a need for servicing.
- 17 Replacement Parts When replacement parts are required, make sure that the service center uses only parts recommended by the manufacturer to ensure that the replacement parts have the same characteristics as the originals. Unauthorized substitution of parts could cause a fire, electrical shock, or create other hazards.
- 18 Safety Check Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working condition.
- 19 Heat Never use or store this product near a heat source such as a radiator, heat register, stove, or any type of equipment or appliance which generates heat, including stereo amplifiers.

WARNING

- · Keep batteries away from children.
- If a child swallows a battery, seek medical attention immediately.
- Dispose of lithium batteries promptly and safely in compliance with local laws regarding the disposal of such items.
- To avoid causing a fire or minor burns, always handle lithium batteries carefully.
- Never attempt to charge the lithium battery, disassemble it, heat it above 212°F (100°C) or incinerate it.
- To ensure good contact, wipe the battery with a clean, dry cloth before use.
- To avoid short circuiting the +/- sides of the battery, never handle a lithium battery with a metal tool, tweezers, etc.



Danger: If the product is used without observing the information

given under this symbol, serious injury or death may result.

result

Warning: If the product is used without observing the information

given under this symbol, injury or death may result.

Caution: If the product is used without observing the information

given under this symbol, minor personal injury, damage to the equipment, or the loss of valuable data may result.

Handling Batteries

Follow these important guidelines to prevent the batteries from leaking, overheating, burning, exploding, or causing electrical shock or burns.



DANGER

- 1 When using NiMH batteries, use only Olympus brand NiMH batteries and charger.
- 2 Never load batteries with their +/- terminals reversed. Never force batteries into the battery compartment.
- 3 To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, with soldering, etc.
- 4 Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects like jewelry, pins, fasteners, etc.

- 5 Never heat batteries or incinerate them.
- 6 Never attempt to connect a battery directly to a power outlet, or to a cigarette lighter in a vehicle.
- 7 If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.



- 1 Keep batteries dry at all times. Never allow them to come into contact with fresh water or salt water.
- 2 To prevent batteries from leaking, overheating, or causing a fire or explosion:
 - Use only batteries recommended for use with this product.
 - Never heat batteries, incinerate them, or attempt to disassemble them.
 - Never mix batteries (old and new batteries, charged and uncharged batteries, batteries of different manufacture or capacity, etc.).
 - Never attempt to charge alkaline or lithium batteries.
 - Load batteries carefully as described in the operating instructions.
 Never reverse their polarity when loading.
 - Do not use batteries if their body is not covered by the insulating sheet or if the sheet is torn as it may cause fluid leak, fire, or injury. Do not use these batteries even if they are sold in stores.
- 3 If NiMH batteries are not charged within the specified time, stop charging them and do not use them.
- 4 Before loading, always inspect batteries carefully for leaks, discoloration, warping, or any other abnormality.
- 5 Always store batteries out of the reach of small children. If a child accidentally swallows a battery, seek medical attention immediately.
- 6 If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- 7 Never attempt to modify the battery compartment on the camera, never insert anything (other than the recommended battery) into the battery compartment.

Important safety instructions (cont.) -



- 1 Olympus NiMH batteries are intended for use only with Olympus digital cameras. Never use these batteries with any other device.
- 2 Never subject batteries to strong shocks or continuous vibration.
- 3 Never mix batteries (old and new batteries, charged and uncharged batteries, batteries of different manufacture or capacity, etc.).
- 4 Always charge sets of batteries (2 or 4) together.
- 5 Always charge NiMH batteries before using them for the first time, or if they have not been used for a long period.
- 6 While the camera is not in use, always remove the batteries to prevent accidental leakage which could damage the battery compartment.
- 7 If a battery leaks, becomes discolored or deformed, or in any other way becomes abnormal during operation, stop using the camera and consult your dealer or an authorized Olympus service center. Continued use may result in fire or electric shock.
- 8 Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- 9 Batteries may become hot during prolonged use. To avoid minor burns, never remove them immediately after using the camera.

Handling the Camera



- 1 Use caution when taking flash pictures at close range. When you fire the flash, you must be at least 3ft. away from the faces of your subjects, especially when taking pictures of infants and small children. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- 2 To avoid damaging your eyes, never aim the camera directly into the sun, or any other extremely bright light source.
- 3 To avoid causing a fire or explosion, never use the camera near flammable or explosive gases.
- 4 Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
 - Becoming entangled in the camera strap, causing strangulation.
 - Accidentally swallowing a battery or small part.
 - Accidentally firing the flash into their own eyes or into the eyes of another child.
- 5 To avoid the hazards of fire or electrical shock, store the camera in a cool, dry location where it will not be subjected to high humidity or dust.
- 6 To avoid minor burns, never cover the flash with your hand when it is fired. Never touch the flash unit after continuous use. The flash unit becomes very hot during continuous operation.
- If the camera is accidentally dropped in water, or if liquid is spilled into the camera, stop using the camera, allow the camera to dry. and then remove the batteries. Contact the nearest Olympus authorized service center.

Important safety instructions (cont.) -



CAUTION

- During operation of the camera, if you notice any unusual odors, noise, or smoke around the camera, immediately switch the camera off, disconnect the optional AC adapter (if it is connected), and allow the camera to sit idle for a few minutes to allow it time to cool. Take the camera outdoors, away from flammable objects, and carefully remove the batteries to avoid burning your hands. Contact the nearest Olympus service center immediately.
- 2 Never attempt to disassemble the camera. The internal circuits contain high voltage points which could cause serious burns or electrical shock.
- 3 To avoid dangerous electrical shock, never hold or operate the camera with wet hands.
- 4 To avoid damaging the camera or causing a fire, never expose the camera to excessive heat.



CAUTION

Camera Care and Storage

- Never store or use the camera for long periods in locations subject to direct sunlight, high humidity, extreme variation in temperature, or strong shocks and constant vibration. Protect the camera at all times from dust and sand.
- Never store the camera near any type of appliance or equipment which generates high temperatures, low temperatures, high or low humidity, or a strong magnetic field. Never use the camera in a factory or laboratory where flammable gases are present.
- Never shake the camera or subject it to shock or strong vibration.
- To avoid damaging its precision lens, never leave the camera pointing directly into the sun.
- Before storing the camera for a long period, remove the batteries.
 Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by pressing the shutter release button to make sure that it is operating normally.
- When the camera is mounted on a tripod, adjust the tripod head to reposition the camera; do not twist the camera.
- Never touch the flash after it has been fired. Avoid using the flash for extended periods. Allow it to cool occasionally between shots.
- To avoid injury from electrical shock, never attempt to disassemble or modify the camera in any way.



Selecting Batteries for Your Camera

- This camera can use four AA NiMH batteries, four AA Alkaline batteries, four AA lithium batteries, four AA NiCd batteries, or two CR-V3 lithium battery packs. Use of Olympus brand batteries is strongly recommended.
- Alkaline battery performance is limited, especially at low temperatures. Using NiMH batteries is recommended.
- AA manganese batteries cannot be used with this camera.
- Always follow the battery recommendations and loading instructions. Incorrectly loading the batteries could cause the batteries to leak or overheating.
- When using the camera on battery power at low temperatures, try to keep the camera and extra batteries as warm as possible. Batteries which run down at low temperatures may be restored after they are warmed at ambient temperature.
- Perspiration or oil from your hands on the battery contacts could prevent them from operating. Before loading batteries, wipe the terminals with a dry, clean cloth.
- Before going on a long trip, especially before traveling abroad, purchase an ample supply of extra batteries. The recommended batteries may be difficult to obtain while traveling.
- Always recharge NiMH or NiCd batteries with a charger recommended for use with these batteries.
- Before using NiMH or NiCd batteries, always read the instructions provided with purchase of these batteries.
- To avoid personal injury or damage to the camera, always inspect batteries before loading. If you notice leaking, damage to the battery cover or insulation, discoloration, warping or any other abnormality do not use the batteries.
- · Recommended temperature ranges for NiMH batteries:

Operation	. 32°	~	104°F
Charge	. 32°	~	104°F
Storage	. –4°	~	86°F

 Using, charging, or storing the batteries outside these ranges could shorten battery life or affect battery performance. Always unload the batteries from the camera before storing the camera and batteries for a long period.

Important safety instructions (cont.) -

NOTES

LCD Display and Backlight

- Do not point the viewfinder towards strong light like the sun, as this may damage interior of the viewfinder.
- The backlight built into the monitor and control panel has a limited service life. When the monitor gets dark and jittery, consult your nearest Olympus dealer.
- In places subject to low temperatures, the backlight may take a long time to turn on or its color may change temporarily. When using the camera in extremely cold places, it is a good idea to occasionally place it in warm place. A backlight exhibiting poor performance due to low temperatures will recover in normal temperatures.
- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a Display mode failure or damage to the monitor.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; It will be less noticeable in Display mode.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- The LCD display is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD display. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.

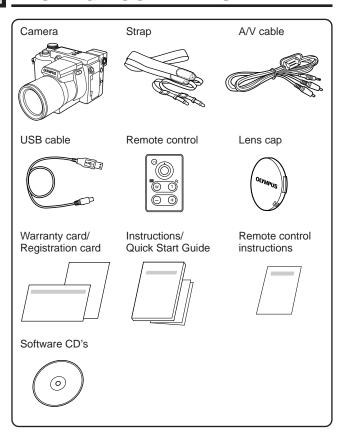
MAIN FEATURES

- 2,110,000-pixel CCD that delivers high picture quality.
- 10X optical zoom lens with a stabilizer function plus 2.7X Digital Zoom to make possible photographs equivalent to 27X zoom. (P. 71/98)
- Various exposure modes for advanced shooting. (P. 44)
- Multi-metering which calculates the appropriate exposure based on brightness metering at multiple points. (P. 132)
- Sequential shooting at high shutter speeds (max. 2 frames/second) in all modes except TIFF.*
- Movie function that lets you record up to approx. 93 seconds in the SQ mode and approx. 23 seconds in the HQ mode when an 8MB card is used. (P. 63/70)
- Electric viewfinder that enables information display in the Record mode. (P. 28/29)
- Simultaneous recording of sound with movies, and sound recording with still pictures, either when they are shot or afterward.** (P. 122/139)
- Wide-angle TFT LCD monitor.
- Removable SmartMedia (SSFDC) memory card (with Panorama function). (P. 135)
- A/V OUT jack provided for viewing pictures on a TV. (P. 76)

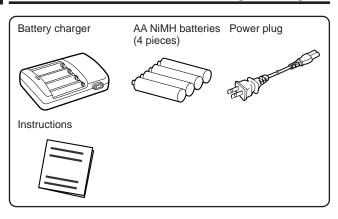
MAIN FEATURES (Cont.)

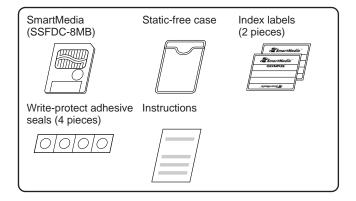
- The optional FL-40 external flash can be used to take sophisticated flash photographs. (P. 112)
- Support for lithium battery packs for longer battery life in addition to AA NiMH batteries.
- * Recording mode: SQ NORMAL
- **Sound cannot be played back by this camera. Connect it to a TV or personal computer for sound playback.

PACKAGE CONTENTS



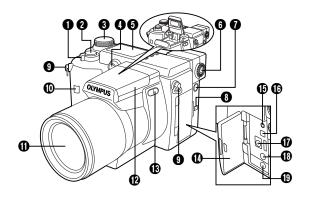
PACKAGE CONTENTS (Cont.)





NAMES OF PARTS

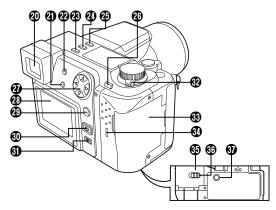
Camera



- Ozoom lever (T/W) (P. 71)/Indexdisplay lever (T/W) (P. 125)
- 2 Shutter button (P. 67)
- **3** Mode dial (P. 44)
- Self-timer lamp/AF assist lamp (P. 68/119/121/157)
- G Control panel (P. 27)
- 6 Diopter adjustment dial (P. 64)
- **7** 5-pin external flash socket (P. 112)
- Microphone (P. 123)
- 9 Strap eyelet (P. 32)

- Remote control receiver (P. 121)
- ① Lens
- (P. 72/106–116)
- (P. 72/108/113)
- (P. 76/123/187)
- (P. 182–187)
- (b) USB connector (P. 182-187)
- **1** DC-IN jack (P. 37)
- External microphone jack (P. 123)
- 19 A/V OUT jack (P. 76)

NAMES OF PARTS (cont.)

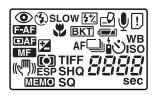


- 20 Viewfinder (P. 28/29/65)
- 1NFO button (P. 28)
- **②** Flash mode button (**分**) (P. 106/108)/Erase button (**份**) (P. 77/78)
- 3 DRIVE button (P. 102/117/118/ 138)
 - Returns vertically-oriented pictures rotated using the Macro button or Metering mode button to their original position during display mode.
- Metering mode button () (P. 132/138)
 - Rotates the vertically-oriented pictures 90° counterclockwise during display mode.
- ② Macro button (♥) (P. 90/138)
 - Rotates the vertically-oriented pictures 90° clockwise during display mode.

- AE lock button (AEL)(P.130)/ Multi-metering button (P.133)/ Print button(□)(P.168–178)
- **3** Arrow pad (P. 45–47)
- **3** Monitor (P. 28/29/65)
- OK button (P. 47)/Manual focus button (MF) (P. 94)/Protect button () (P. 79)
- Monitor button ((P. 65)
- Power switch (POWER OFF/ON/ RESET) (P. 58)
- Card cover (P. 40)
- 3 Card access lamp (P. 67)
- Battery compartment cover (P. 33/34)
- Battery compartment lock (P. 32/34)
- Tripod socket (P. 112)

Control panel indications

(P. 119/120)



© (£)	Flash mode (P. 106)	AF 🖳	Sequential shooting (P. 118)
\$ SLOW	Slow shutter synchronization flash (P. 110)	Z	Exposure compensation (P. 99)
5 ½	Flash intensity control	●AF	AF system (P. 96)
~	(P. 109)	MF	Manual focus (P. 94)
$\sqsubseteq \mathcal{O}$	Card writing (P. 67)	((८ <mark>७</mark>)))	Stabilization system
lacksquare	Sound record (P. 112)	((\sqrt{)})	(P. 97)
!	Card error (P. 61/203)	(•) ESP	Metering mode (P. 100)
	Battery check (P. 60)	MEMO	AE memory (P. 130)
BKT	Auto bracket (P. 103)	TIFF SHQ	Depart made (D. 101)
	Macro mode (P. 90)	SQ	Record mode (P. 104)
	, ,	8888	Number of storable still
F-AF	Full-time AF (P. 95)		pictures (P. 63)
WB	White balance (P. 134)	sec	Seconds remaining in
ISO	ISO (P. 101)		Movie mode (P. 63)
1	Self-timer/Remote control		

NAMES OF PARTS (cont.)

Viewfinder/Monitor indications (Picture information)

Press the Monitor button (((iii)) to select whether images appear on the Monitor or in the viewfinder. Press the INFO button to select how much information is displayed (P.26). The following 3 types of display are available.

Record mode

Only the AF target mark: Warnings (AF confirmation mark and battery check) appear when required. Settings that are changed are displayed for approx. 2 seconds.



Partial information: When using the camera, these indications are displayed for approx. 2 seconds.

O P F2.8 1/800 +2.0

Full information: These indications are displayed constantly in the Record mode.

- 1 Flash stand-by/Jitter warning/flash charge (P. 72/108)
- 2 AF confirmation mark (P. 68)
- 3 Shooting mode (P. 44)
- Battery check (displayed after the camera is turned on and when warnings appear) (P. 60)
- **5** Aperture value (P. 87/89)
- 6 Shutter speed (P. 88)
- Exposure compensation/ Exposure differential (P. 99)
- 8 AF target mark (P. 67/68)
- Memory gauge (P. 69)

- Number of storable pictures

 Original mode (P. 102/117, 120
- ① Drive mode (P. 102/117–120)
 ② Metering mode (P. 100)
- (P. 90)
- Macro mode (P. 90)
 White balance (P. 134)
- (B) ISO (P. 101)
- Record mode (P. 104)
- Flash mode (P. 106)
- Slow shutter synchronization flash (not displayed when the flash is in the flash override mode) (P. 111)
- 19 Stabilization system (P. 97)

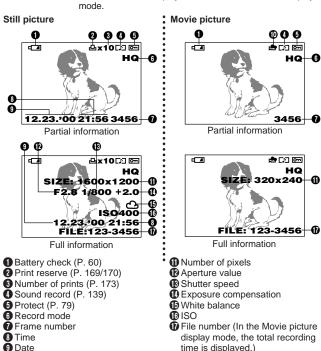
Display mode

No information: Only battery check and **≅** are displayed.

Partial information: These indications disappear after a certain amount of

time has elapsed.

Full information: All indications are displayed all the time while in the Display



Note:

Movie picture (P. 75)

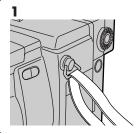
The indications that appear on a movie picture that has been selected and displayed from the thumbnail display are different from those that appear when the movie picture is displayed using the Movie play function. (P. 75)

GETTING STARTED

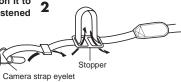
This chapter outlines all of the things you need to do before you start using your camera such as loading batteries and inserting SmartMedia. It also explains how to use the Mode dial and the Menus.

ATTACHING THE STRAP

Thread the strap through the strap eyelet.



2 Thread the strap through the stopper as the arrows in the illustration show, then pull on it to make sure it is securely fastened to the stopper.



3 Attach the strap to the strap eyelet on the other side of camera, following steps 1 and 2 as explained above.

Note:

- Be careful with the strap when you carry the camera, as it 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, Olympus is not
 responsible for any damages.

LOADING THE BATTERIES

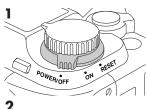
This camera uses 4 AA NiMH batteries or 2 CR-V3 lithium battery packs, NiCd batteries, alkaline batteries or lithium batteries.

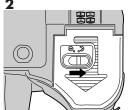
Important:

Do not peel the label on a CR-V3 lithium battery pack. If an insulating sheet covers the terminals, peel it off ONLY from the terminals.

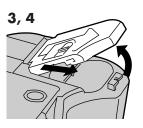
Make sure that the camera power switch is in the off position.

2 Slide the battery compartment lock on the battery compartment cover in the direction of [□].





- 3 Slide the battery compartment cover in the direction of the arrow printed on it (the direction of the lens) with your fingertip.
 - Attempting to slide the cover using a fingernail could result in injury.
- 4 Open the battery compartment cover.



LOADING THE BATTERIES (Cont.)

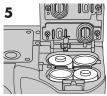
5 Insert the batteries.

When using AA batteries

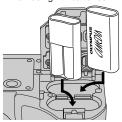
Insert the batteries with their poles oriented in the direction shown in the illustration.

When using lithium battery packs

Insert the batteries in the direction shown in the illustration. Do not insert them in any other direction.

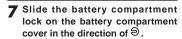


When using AA batteries

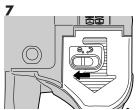


When using lithium battery packs

- 6 Close the battery compartment cover, then press it down and slide it in the opposite direction of the arrow printed on it.
 - 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.







Note:

- CR-V3 lithium battery packs cannot be charged.
- Alkaline batteries have a lot of variation in their performance and deteriorate particularly at low temperatures. It is recommended that lithium battery packs or NiMH batteries be used.
- Manganese batteries cannot be used. Please read the cautions concerning batteries. (See page 19.)
- If the terminals inside the battery compartment are dirty, it will noticeably shorten the life of the batteries. Do not touch the inside of the battery compartment.
- If the camera is left for 1 week with the batteries removed, all the internal settings will revert to the default settings.

⚠ Caution:

Do not use batteries whose bodies are not completely covered by an insulating sheet. If such batteries are used, they may cause leakage, excessive heat, or explosion. Some batteries are sold with a partial insulating sheet, or without any insulating sheet at all. Do not use these batteries under any circumstances.

The following AA batteries cannot be used.



Batteries whose bodies are only partially covered, or not covered at all, by an insulating sheet.



Batteries whose — terminals are raised, but not covered by an insulating sheet.



Batteries whose — terminals are flat and not completely covered by an insulating sheet. (Such batteries cannot be used even if the — terminals are partially covered.)

LOADING THE BATTERIES (Cont.)

Service life of NiMH battery

The table below shows the approximate number of photographs that can be taken and the display time available with the NiMH batteries. Note that the lives of battery packs may vary according to the type of battery, manufacture, camera shooting conditions, etc.

Service life of NiMH battery

Shooting/Displaying	Condition	Battery life
Number of photos	1)	Approx. 100 frames
Display time	2	Approx. 160 minutes

^{*} These figures are for reference only and are not guaranteed.

Shooting conditions

- Repeat the same function in sequential 2fps shooting conditions for no more than 10 minutes than take a break
 - Sequential 2fps shooting no more than 10 minutes then break
 - Flash use no more than 50%
 - · One zoom adjustment on each shot
 - Full-time AF turned off
 - Digital Zoom off
 - No displaying on or connecting to a PC
 - Temperature 25°C
- ② Repeated sequential display in the slide show mode with periodic breaks

Note:

- When connecting the camera to a PC, it is recommended that you use the optional AC adapter.
- Power is consumed continuously during the conditions below. This
 could reduce the number of pictures that can be taken.
 - Repeated auto-focus by depressing the shutter button halfway.
 - · Repeated power zoom adjustments.
 - When the full-time AF mode is turned on.
 - When the LCD monitor is in the display mode for an extended period of time.
 - When communicating with a PC.

USING THE AC POWER ADAPTER (Optional)

An optional Olympus AC adapter allows you to power your digital camera from a common AC wall outlet.

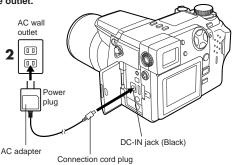
Use an AC adapter designed for the area camera is used.

Consult your nearest Olympus dealer or Service center for details.

- Make sure that the camera power switch is in the off position.
- 2 Plug the AC adapter into a power outlet.
- 3 Open the jack cover and plug the connection cord into the DC-In jack.
- 4 To disconnect, turn the camera switch off, and unplug the AC adapter first from the camera then from the outlet.



Open the jack cover as shown.



Note:

 When in use for long periods, the AC adapter may get warm. This is normal

LOADING THE BATTERIES (Cont.)

⚠ Warning:

Incorrect use of the batteries may cause fire or electric shock.

- Be sure to use an Olympus AC adapter. Using a non-Olympus adapter could be hazardous and may damage the camera. Olympus is not responsible for any damage caused by the use of AC adapters not designed for this camera.
- Never plug or unplug the AC adapter if you have wet hands. When unplugging the adapter, hold the body of the unit, not the cord. Never pull, bend, twist or modify the cord.
- If you experience any of the following problems, contact your local dealer or the nearest authorized Olympus service center.
 - If the AC adapter is hot, smells like smoke, or is emitting smoke.
 - If there is any damage to the cord, or if there is a contact failure with the plug.

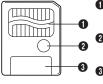
INSERTING AND EJECTING SmartMedia

What is SmartMedia?

SmartMedia is a recording medium for the Olympus CAMEDIA digital camera. Images recorded and stored on SmartMedia can easily be deleted, overwritten, and/or edited on a PC. This instruction manual uses the term "card" when referring to SmartMedia.

Compatible SmartMedia cards

- Provided 8 MB standard card (with the Panorama composite function).
- Optional Olympus 8 MB/ 16 MB/ 32 MB/ 64 MB cards
- Market-available 3V card 8 MB/16 MB/32 MB/64 MB



Contact area

The area where the card comes into contact with the camera

Write-protect area

Attach the provided write-protect seal when you want to protect your data from accidental erasure or overwriting.

3 Index area

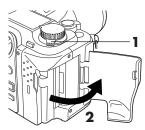
Use the provided index label to indicate the card's contents.

- Operating temperature: 0°C to 55°C; Storing temperature: −20°C to 65°C; Humidity: up to 95 %
- Put the card into its anti-electrostatic case for storage or transportation.
- Do not bend, drop, or apply any physical shock to the card.
- Read the provided SmartMedia instruction manual carefully.
- Do not touch the contact area of the card.
- Do not use 5V cards. Use Olympus cards or other 3V (3.3V) cards.
- Non-Olympus 3V (3.3V) cards must be formatted by the camera (see p.42).

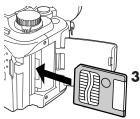
INSERTING AND EJECTING SmartMedia (Cont.)

Insert the SmartMedia card

- Make sure that the camera power switch is in the off position.
- 2 Open the Card cover.



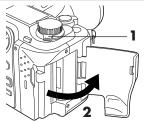
- 3 Insert the SmartMedia card in the direction shown in the illustration.
 - Note the orientation of the card. If it is inserted incorrectly, it may become jammed.
 - When using a special function SmartMedia card (optional), insert it in the same way.
- Close the cover tightly.



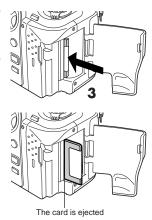
Insert the card fully until you feel it lock into place.

Ejecting the SmartMedia card

- Make sure that the camera power switch is in the off position.
- 2 Open the Card cover.



- 3 Push the card inward slightly.
 - The card will pop out so that it can be withdrawn easily.
- ▲ Pull out the card.



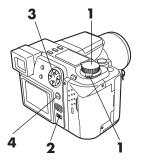
- NEVER open the Card cover, eject the card, remove the batteries, or disconnect the optional AC adapter while the camera is in use. <u>Doing so</u> <u>could destroy all data on the card.</u>
- Destroyed data cannot be restored.

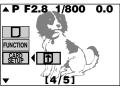
FORMATTING NEW SmartMedia CARDS

Preparing the card for writing data - Formatting

Formatting a card prepares it to accept data. Olympus Brand-formatted cards are highly recommended. When using non-Olympus cards or cards formatted by a PC, be sure to format them with the camera before use.

- Turn the camera power on, and set the mode dial to the Record mode (P, A, S, M or S-Prg, ₩).
- 2 Press 🖽 (Menu button).
 - The menu is displayed on the viewfinder when the mode dial is set to the Record mode. The menu can be displayed on the monitor by pressing (Monitor button).
- **3** Press △ ▽ on the Arrow pad to select CARD SETUP, then press ▷ .
 - Selected item is displayed.
- ⚠ Press the OK button to select
 ☐.
 - The confirmation screen will be displayed.



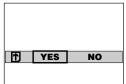


Still picture on the display.

F Press < ▷ to select YES.

- If you want to cancel formatting, select NO.
- 6 Press the OK button to start the formatting process.
 - Card formatting starts when the card-access lamp blinks.
 - The menu disappears when formatting is complete.



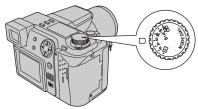


Confirmation screen

- All existing data stored on the card will be erased when the card is formatted. Make sure that you save or transfer important data before formatting a used card.
- Recording time may be higher with non-Olympus cards, PC-formatted cards, and used cards. In such cases, re-formatting with the camera is recommended.
- Cards with a write-protect seal attached cannot be formatted.

SETTING THE MODE DIAL

You can change modes by turning the mode dial on the top righthand side of the camera.



P (Program mode):

In program mode, you can take a properly exposed photograph by simply aiming the camera and pressing the shutter button. Aperture and shutter speed are set automatically by the camera.

A (Aperture priority mode):

Aperture can be set manually in the aperture priority mode. This is useful when you want to have more control over image exposure. Shutter speed is set automatically by the camera.

S (Shutter priority mode):

Shutter speed can be set manually in the shutter priority mode. Set it to a high speed for a still picture of a moving object. Set it to a low speed to show motion. Aperture is set automatically by the camera.

M (Manual mode):

You can set both aperture and shutter speed independently in the manual mode.

S-Prg (Scene program mode):

The camera will automatically optimize the combination of aperture and shutter speed according to the type of subject. You can select from Portrait, Sports, Landscape and Night Scene. Selections are displayed in the menu. Also read "SHOOTING FOR SPECIAL SITUATIONS" (P.81 - 86).

(Movie mode):

You can shoot motion pictures in the movie mode. Aperture and shutter speed are set automatically by the camera.

▶ (Display mode):

Allows you to view a display of your photographs.

HOW TO USE THE MENU

Most functions can be easily displayed and set with the menu on the Monitor. Adjustments to the mode dial will determine available menu selections. Modes not available on the menu can be set with the corresponding buttons on the camera.

Refer to the menu index (P.48 - 53) and select the function you need. Functions that can be set by the mode dial are listed below.

Still picture record menu: P, A, S, M, S-Prg

Motion picture record menu: ♣

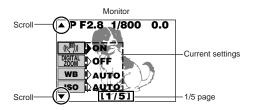
Still picture display menu: ▶

Motion picture display menu: ▶

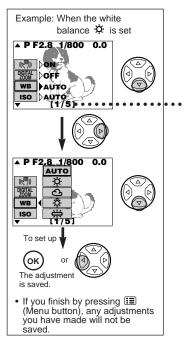
¶ Press ≣ (Menu button).

- The menu is super-imposed over the image already displayed on the viewfinder or monitor.
- Press △ ▽ on the Arrow pad to select the item you want to adjust.
 - The green frame will move from item to item.
 - Refer to P.144 to 147 when you select MODE SETUP.
- 3 Press ▷ to display further selections.
 - The green frame will move to the right. Additional options for that item will be displayed.



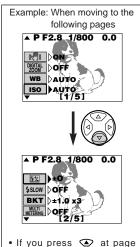


HOW TO USE THE MENU (Cont.)





- Selected items are displayed in green.
- To view additional menu options, go to step 5. If no additional selections are needed, go to step 6.





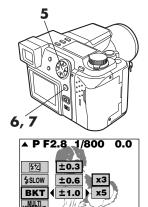
1/5. the monitor displays

page 5/5.

- 5 To select additional menu options Press ▷ to view additional menu options (for each selection), then press △ ▽ to select the desired option.
- 6 When finished, press the OK button or < 1.
 - The green frame moves to the left and adjusted items are displayed on the right.

7 Press the OK button.

 The setting will be saved and the normal display will be restored.



[2/5] BKT setting

- When you want to go back to previous menu pages (or forward to the next pages)
 - → When the green frame is at the bottom of the displayed menu options, press ∇ (or △). The display will go to the next page. When the monitor displays the last page, press ∇ to go back to the first page. You can move to the last page by pressing △ on the first page.
- When you want to cancel the menu
 - → Press (Menu button). Adjustment settings are canceled and the normal display is restored.
- When the menu is not displayed in the display mode
 - → The menu is not displayed when there is no data in the card.
- When you want to save an adjustment
 - → Set "ALL RESET" "OFF". The adjustment settings are then automatically saved when the camera is turned off (P.148).
- When the adjusted item does not function
 - → The OK button was not pressed after the adjustment. Reset the adjustment, then press the OK button.

RECORD MODE MENU LIST

The following items can be adjusted. This can be done any time. Please refer to HOW TO USE THE MENU (P.45), and/or the pages for each function, in order to set the following items (P.48-53).

Still picture record menu Displays by the Still picture record mode (P, A, S, M, S-Prg).

Menu page	Display	Function	Initial setting	
	((ペ型))	Activates the Stabilization system. (P.97)	ON	
	DIGITAL ZOOM	2.7x digital zoom is available. (P.98)	OFF	
1/5	WB	Adjusts the white balance according to the light source. (P.134)	AUTO	
	ISO	Adjusts the ISO sensitivity. (P.101)	AUTO	
	\$ 2	Controls the flash intensity. (P.109)	±0	
	\$ SLOW	Allows you to take pictures of night scenes. (P.110)	OFF	
2/5	BKT BKT	Sets the condition of auto bracket mode. (P.102)	±1.0/x3	
	MULTI METERING	Obtains the right exposure by metering multiple objects. (P.132)	OFF	

Menu page	Display	Function	Initial setting
	AF MODE 🔼	Adjusts the focusing range when using autofocus. (P.96)	iESP
3/5	AF	The camera automatically focuses without pressing the shutter button halfway. (P.95)	OFF
	•	Able to record sound after taking pictures. (P.122)	OFF
		Card function for taking panorama picture images. (P.135)	-
4/5	FUNCTION	Allows you to use picture effects: monochrome, sepia, white, and black boards. (P.137)	OFF
	CARD SETUP	Formats the card. (P.42)	_
	MODE SETUP	Change the camera to your desired setting. → Mode setting menu table (P. 144)	-
5/5	S-Prg	Adjusts the S-Prg mode for each occasion. (P. 86)	
	TIFF SHQ HQ SQ	Sets the record mode (TIFF/SHQ/HQ/SQ). (P.104)	HQ

RECORD MODE MENU LIST (Cont.)

MOVIE picture record menu



Options when the movie picture record mode $\stackrel{\mbox{\scriptsize M}}{\sim}$ is activated.

Menu page	Display	Function	Initial setting	
	((< <mark>(m</mark>)))	Activates the Stabilization system. (P.97)	ON	
	DIGITAL ZOOM	2.7x digital zoom is available. (P.98)	OFF	
1/3	WB	Adjusts the white balance according to the light source. (P.134)	AUTO	
	ISO	Adjusts the ISO sensitivity. (P.101)	AUTO	
	MULTI (1) METERING	Obtains the appropriate exposure by metering multiple objects. (P.132)	OFF	
	AF MODE	Adjusts the focal point range with autofocus. (P.96)	iESP	
2/3	FULL-TIME F-AF	The camera will always focus automatically. There is no need to press the shutter button halfway. (P.95)	OFF	
	Q	Allows sound record during movie recording. (P.122)	ON	

Menu	Display	Function	Initial setting
page	FUNCTION	Special effects are available: monochrome/sepia (P.137)	OFF
2/2	CARD SETUP	Formats the card. (P.42)	-
3/3	MODE SETUP	Change the camera to your desired setting. → Mode setting menu table (P. 144)	-
	HQ SQ		HQ

DISPLAY MODE MENU LIST

Display menu



Options available when a still picture is displayed.

Menu page	Display	Function	Initial setting	
		Runs through all stored pictures automatically. (P.127)	-	
	•	Dubs sound onto recorded pictures. (P.139)	-	
1/1	FUNCTION	Not available.	-	
	CARD SETUP	Erases all frames (P. 78) and formats the card (P. 42).	-	
	MODE SETUP	Change the camera to your desired setting. → Mode setting menu table (P. 144)	-	

Options available when a movie picture is displayed.

Menu page	Display	Function	Initial setting
	MOVIE PLAY Plays back movie pictures. (P.74)		-
	FUNCTION	Creating a movie index (P.140) and editing movies pictures. (P.142)	-
1/1	CARD SETUP	Erases all frames (P. 78) and formats the card (P. 42).	-
	MODE SETUP	Change the camera to your desired setting. — Mode setting menu table (P. 144)	-

SETTING THE DATE AND TIME

You can adjust and include the date and time, and put them on recorded pictures.

- Press 📰 (Menu button), (P.45)
 - Menu will be displayed on the monitor
 - When no images are recorded on the card, menu options can be adjusted in all modes except display .
- **9** Press $\triangle \nabla$ on the Arrow pad to select MODE SETUP, then press > to select SETUP. Finally, press the OK button.
 - Mode setting screen will be displayed on the monitor.
- **?** Press $\triangle \nabla$ to select **!** then press ▷. When SETUP appears on the monitor, press the OK button.
 - Date/time setup screen will be displayed on the monitor.
- \triangle Press $\triangle \nabla$ to set the date format when 🖸 is selected.
 - You can choose any one of the following formats:

DMY (Day/Month/Year) MDY (Month/Dav/Year)

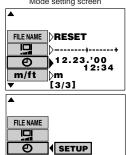
YMD (Year/Month/Dav)



Still picture record menu



Mode setting screen



[3/3]

m/ft

- **5** Press ▷ to move to the year (Y) setting.
- 6 Press △ ▽ to select the year. When the year is selected, press ▷ to set the month.
 - Repeat the procedure until the date and time are completely set.

7 Press the OK button.

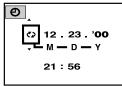
- For a more accurate setting, press the OK button when the clock hits 00 seconds. The clock will start when you press the OK button.
- Mode setting screen will appear here.

Press the OK button twice.

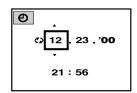
- Menu screen will disappear.
- The date/time setting wil remain until you reset it.



Date and time screen



•The year 2000 is displayed as '00.



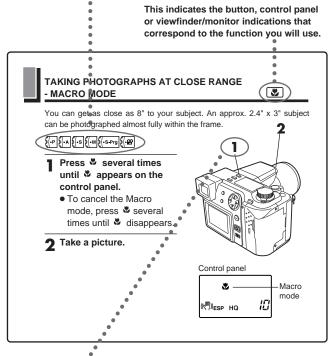
Note:

 The date setting will be cancelled if the camera is left with no batteries for about one week (based on our testing). You will have to set the date again if this happens.

HOW TO USE THIS INSTRUCTION MANUAL

This manual uses various signs and symbols to indicate different types of information. Please read the following explanation carefully before operating your digital camera.

Before operation, switch the mode dial until the following signs appear. If the mode dial's setting signs are not displayed, you can use functions without setting the mode dial.



This number shows the order of operation.

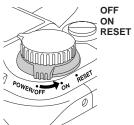
2

BASIC FUNCTIONS

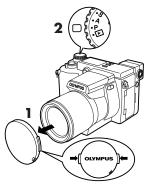
This chapter demonstrates how to use your camera's basic functions, such as taking pictures, displaying stored pictures, and erasing stored pictures. Please read this section carefully.

TURN THE POWER ON

■Setting the power switch



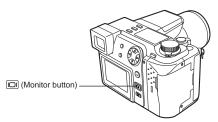
- : Power off
- : Power on
- : Move the switch to reset momentarily and then release, the power switch will automatically move back to ON. All settings except the mode setting menu (P. 144) will be reset to the factorypreset (initial settings).
- Hold the switch in reset position for over 3 seconds, and all settings, except for the date and time, will be reset to the initial settings.
- Push the edge of the lens cap (as shown by the arrows in the illustration) to remove the lens cap.
- Turn the mode dial to P.
- Turn the power switch on.
 - Battery check, as well as the number of pictures that can still be stored, will be displayed on the control panel. (P.60/63)
 - The subject the camera is aimed at will be displayed on the Viewfinder.
 - To take a picture while viewing the subject on Monitor, press (Monitor button). The subject will be displayed in the Monitor. (P.65)
- 4 Set the date and time when you first use the camera. (P.54)





TAKING PICTURES WHILE USING THE MONITOR

Press (Moniter button). The same sign on the finder will be displayed on the monitor. The displayed subject will switch between the viewfinder and monitor each time you press this button.



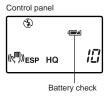
When the power is turned on in the Record mode (P, A, S, M, S-Prg, ♠), the icon appears in the viewfinder, and when the power is turned on in the Display mode (►), it appears on the monitor. To switch between the monitor and viewfinder, press (Monitor button) after the power is turned on.

- NEVER open the card cover, eject the card, remove the batteries, or pull
 the plug when the card access lamp is blinking. Doing so could destroy
 stored pictures and prevent storage of pictures you have just taken.
- The camera will enter sleep mode if no operations are performed during a 1-minute period. The camera will activate again as soon as you touch any switch or button. You can adjust the sleep mode time.(P.159) Please turn the camera off when you are not planning to use it.

CONFIRMING THE DISPLAYS

Checking the batteries

When the power is turned on, the remaining battery power will be displayed on the control panel. If it is low, please replace the batteries. If your batteries are either NiMH or NiCd, please charge them when their power is low



lights and turns off automatically.

The batteries are OK. You are ready to take pictures.

blinks and other indicators on the control panel are displayed normally.

The battery power is low and the batteries should be replaced. You can shoot with the remaining power, but the batteries may die soon.

dis blinks and then turns off after 12 seconds. Other indicators on the control also go out.

The batteries are dead and should be replaced immediately.



- The timing of each battery level indicator varies depending on the type of batteries used.
- When the camera is being operated on batteries that are running low, the camera may emit several short beeps and blink the number of storable pictures on the control panel after you take a shot or when you turn on the power. If this happens, the picture you have just taken will not turn out properly. Replace the batteries and take the picture again.

Checking the card

When the power is turned on, the camera checks the SmartMedia card.

Control panel	When there is no SmartMedia card in the camera: The card error indicator on the monitor blinks and NO CARD appears on the viewfinder. → Insert the SmartMedia card.
Control panel	When there is a problem with the SmartMedia card: An error sign appears with the blinking card error indicator and CARD ERROR appears on the monitor. —Format the card or use a new card.
Control panel	When the card needs to be formatted: The card error indicator turns on in the monitor and the card format confirmation screen appears on the viewfinder.
SARP [5] NO [OFF]	→ Format the SmartMedia card (P.42). Select with the Arrow pad and press the OK button to enter the card format menu (P.42). When formatting is complete, the monitor will switch screens and display the subject that you are shooting.

CONFIRMING THE DISPLAYS (Cont.)

Checking the number of storable pictures left

When the power is turned on in the still picture mode, the number of storable pictures left will appear on the control panel. For movie pictures, the seconds remaining will appear.

• When the power is turned on with the mode dial at A, S, M, P, or S-Prg:

The number of storable pictures left will appear.



Number of storable pictures left

• When the power is turned on with the mode dial \(\text{\text{\text{\text{\text{\text{w}}}}} : } \)

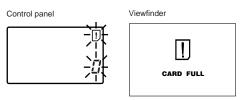
The seconds remaining will appear.



Remaining time

• When there is no storable space left for pictures in the still picture record mode :

Beeps will emit when the card cannot store anymore pictures and the displays below will appear on the control panel and viewfinder. If this happens, replace the card with a new/storable card or erase unwanted images in the existing card to make space (P.77/78).



Number of storable pictures left

The number of storable pictures left and recording time remaining will vary depending on the selected recording mode or remaining card storage. Preset print or sound recording will also affect memory capacity.

Number of still pictures that can be taken

Recording mode		Number of	File	Memory capacity (Image only/Image with sound)					
		pixels		2MB	4MB	8MB	16MB	32MB	64MB
		1600x1200		0/-	0/-	1/-	2/-	5/-	11/-
		1280x960		0/-	1/-	2/-	4/-	8/-	17/–
TIFF*		1024x768	TIFF	0/-	1/-	3/-	6/-	13/-	27/–
		640x480		2/-	4/-	8/-	17/-	34/-	68/–
	SHQ	1600x1200	- JPEG	1/1	2/2	5/5	11/11	22/22	45/44
	HQ	1600x1200		4/3	8/7	16/15	31/30	64/60	128/120
	HIGH (quality)	1000 000		2/2	4/4	8/8	17/16	34/33	69/67
	NORMAL	1280x960		6/5	12/11	24/22	49/45	99/90	199/181
SQ	HIGH (quality)	4004 700		3/3	6/6	13/12	26/25	53/51	107/102
	NORMAL	1024x768		9/8	18/16	38/32	76/66	153/132	306/265
	HIGH (quality)	640x480		8/7	16/14	32/29	66/58	132/117	265/234
	NORMAL			21/15	40/30	82/61	165/123	331/248	664/498

^{*} If the recording mode is set to TIFF, sound will not be recorded with a picture when the Mode dial is set to P or A/S/M, but it can be added later during playback. (p. 139)

The number of seconds that you can record movie pictures:

Longest continuous recording time per movie frame

B	Normalis and advanta				
Recording mode	Number of pixels	2MB	4MB	8MB	16MB OVER
HQ	320x240	5/5	11/11	23/23	36/35
SQ	160x120	26/22	52/46	105/93	145/134

• Please refer to P.104 for the recording mode.

- Because the amount of data used varies depending on the subject, more/fewer pictures than the number shown may be photographed.
- The number of storable pictures may not be reduced every time a picture is taken, or increased when a picture is erased.
- Numerical values are approximate.

ADJUSTING THE DIOPTER

Turn the Diopter adjustment dial to see the AF target mark clearly.

Viewfinder

P F2.8 1/30 0.0

AF target mark

HOW TO USE THE VIEWFINDER/MONITOR



Press to switch the display to the monitor.

The monitor is more useful than the viewfinder if you cannot hold the camera in a proper position.



If nothing appears on the viewfinder:

- Is the power on?
- Has the lens cap been removed?
- Is the camera in the sleep mode?
- Is the monitor turned on with the **\rightarrow** mode?

HOLDING THE CAMERA

Hold the camera firmly with both hands while keeping your elbows at your sides to prevent the camera from moving.

Proper



Proper



Improper



Keep your fingers away from the lens.

Keep your fingers away from the flash.

Note:

 Keep your finger and the strap away from the lens, flash, and AF assist lamp.

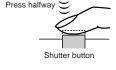
TAKING PICTURES

Proper shutter release

There are 2 steps when releasing the Shutter. Practice well before actually taking photos.

Press the shutter button halfway.

- The AF confirmation mark will light when the focus and exposure are locked. It will blink if the focus or exposure are not locked.
- To focus the camera when the subject of the picture is outside the AF target mark, use the focus lock. (P.93)

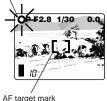




Press the shutter button fully to release the shutter and take a picture.

- The camera emits a beep when the shutter is released.
- The card access lamp blinks while the picture is being recorded.
- You can change the volume of the beep sound emitted when operating the camera or cancel the beep. → Changing the beep (P. 156)

AF confirmation mark



★★When the AF confirmation mark blinks

Set the camera to the macro mode when photographing the subject closer than 23.6" (P.90).

Depending on the condition of the subject, the focus and exposure may be locked. (See SUBJECTS THAT ARE HARD TO FOCUS. P.92)

Note:

 Press the shutter button gently using the ball of your finger. If it is pressed hard, the camera may move and pictures may come out blurred.

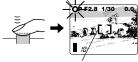
TAKING PICTURES (Cont.)

Taking a still picture

- Compose the picture by turning the camera towards the subject.
- Press the shutter button halfway to lock the focus and exposure. Use the focus lock if the camera itself cannot focus on the subject (P.93).
 - The AF confirmation mark will light up and the camera will beep once.
 - The AF confirmation mark will blink if the focus and exposure are not locked. Please refer to SUBJECTS THAT ARE HARD TO FOCUS, P.92.
 - If a subject is not well lit and is difficult to focus on, the AF assist lamp will light automatically. You can also turn off the AF assist lamp manually if desired. (P.157)
 - To save you time, when the fulltime AF is activated, pictures displayed on the monitor are always already in focus. (P.95)



AF confirmation mark



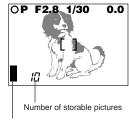
AF target mark

★★When the \$ flash stand-by blinks

Slide the flash switch to set the flash. See USING THE FLASH (P.72).

3 Press the shutter button fully to take a picture.

- A beep means that the photograph was taken successfully.
- The lower image memory gauge will light up and the camera will begin storing the image onto the card.
- Soon after displaying the picture just taken, the viewfinder will again show the area it is being aimed at.
 See REC VIEW (P.158).
- Continuous shooting is available if the memory gauge shows there is space in the card.
- When more than two images are recorded, the center block will light up.
- When the buffer memory is full, the upper block will light up and no more pictures can be taken.
- When the aperture is set to F8, the fastest shutter speed possible is 1/1150 sec.

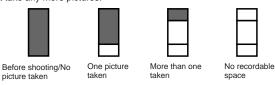


Memory gauge



★★If you take pictures continuously

The memory gauge will gradually increase as you take pictures. If the memory becomes full and the memory gauge lights up completely, you cannot take any more pictures.



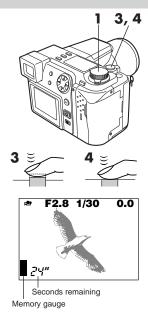
- Recorded pictures will be saved regardless of whether the camera is turned off or the batteries are replaced.
- NEVER open the card cover, eject the card, remove the batteries, or pull
 the plug when the card access lamp is blinking. Doing so could destroy
 stored pictures and prevent storage of pictures you have just taken.

TAKING PICTURES (Cont.)

Recording movies

- 2 Compose the picture by turning the camera towards the subject.
- Press the shutter button halfway to lock the focus and exposure. Use the focus lock if the camera itself cannot focus the subject (P.93).
 - The AF confirmation mark will light up and the camera will beep.
 - The AF confirmation mark will blink if the focus and exposure are not locked. Please refer to SUBJECTS THAT ARE HARD TO FOCUS, P.92.
- Press the shutter button fully. Recording will start. To stop recording, press the shutter button fully again.

 - You cannot take movies if the entire image memory gauge is lit up.
 - The seconds of recording time remaining in the memory will appear on the monitor.
 - When recording starts, correct focusing and exposure is maintained continuously.
- 5 The card access lamp will blink and the camera will begin storing images onto the card.
 - You cannot take the next movie until the camera is finished storing the current one, even if the memory indicates that there is sufficient memory.



★★To record the next movie picture

Wait until the card access lamp goes off and writing of movie pictures into the card is finished.

ZOOM

You can select telephoto or wide-angle with the 10x zoom. When the digital zoom in the menu is turned on (P.98), 27x zoom is available with the 2.7x digital zoom.

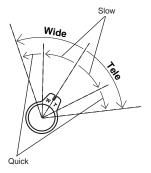
When you take a picture from a distance (telephoto):

Press the zoom lever toward T to zoom in.

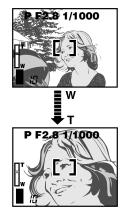
When you take a picture at close range (wide-angle):

Press the zoom lever toward W to zoom out.

■ The speed of the zoom-in/out can be adjusted by changing the angle of the zoom lever.







Note:

• When recording movies while zooming, images may become jittery.

USING THE FLASH – Auto flash

The flash will work automatically in low-light conditions. For other conditions, refer to P.107.

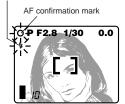
- Slide the flash switch located under the flash (see the illustration) to raise the flash.
 - Make sure that ②, \$ and ③ do not appear on the control panel. If there is one or more of them, press the flash mode button to turn them off. See SELECT THE FLASH PATTERN on P.106
- Press the shutter button halfway.
 - When lights on the viewfinder, the flash is activated.
 - The flash charges while \$\frac{1}{2}\$ is blinking. The shutter cannot be released at this time. Wait until \$\frac{1}{2}\$ turns off before taking pictures.
- 3 Press the shutter button fully.
 - The flash will go off.

Flash working range:

Wide-angle: approx. 11-13/16" to 13 ft Telephoto: approx. 3.25 ft to 13 ft



Flash stand-by



- The flash will not go off in the following modes: Auto-bracket (P.102), White/Black Board (P.137), and Panorama (P.135).
- When using the flash in the macro mode, especially during wide-angle shooting, images may be unclear and the flash may not have the proper effect. Confirm the results by displaying images.

CONFIRMING RECORDED PICTURES – Quick view

Displaying still pictures

You can quickly shift from the record mode to the display mode by pressing

This allows you to check the movie you have just recorded.

Press utwice quickly.

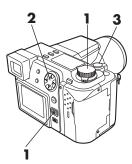
- The monitor will turn on and the last recorded picture will be displayed.
- Setting the Mode dial to will also display recorded pictures.

All stored pictures in the card can be displayed by pressing the Arrow pad.

- : Displays the next picture.
- : Displays the previous picture.

3 Press the shutter button halfway to return to the record mode.

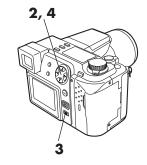
 The viewfinder will turn on and the subject will appear on it.



CONFIRMING RECORDED PICTURES – Quick view (Cont.)

Displaying movies

- Use the Quick view to display a recorded movie (P.73).
- 2 Select images with the & mark using the Arrow pad.
- 3 Press **■** (Menu button).
 - The menu screen will appear.
- **4** Select MOVIE PLAY, then press ▷ to select START.
 - Press the menu button to cancel.





Press the OK button.

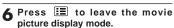
 The movie display will start after the card access lamp stops blinking.

When you want to pause ...

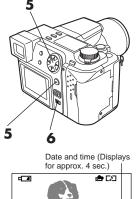
Press the OK button while displaying images.

You can display frames with the Arrow pad when normal displaying is paused or stopped.

- Every time the right arrow is pressed, the next frame will be displayed. A movie is displayed by holding down the right arrow continuously.
- Every time the left arrow is pressed, the previous frame will be displayed. A movie is displayed in reverse by holding down the left arrow continuously.



When selecting other frames, press
 again to turn the menu screen off, then press the Arrow pad to select the frames.





★★If you want to return to the record mode immediately

Press the shutter button halfway. The viewfinder will appear with the subject displayed on it, even in the middle of displaying movies or when the menu screen is on.

DISPLAYING ON TV

Recorded images and sound can be displayed on TV with the AV cable.

[Connection]

- * Make sure that the TV and camera power are off before connecting.
- Connect the AV cable to the camera's A/V OUT jack (black).
- Connect the AV cable to the TV's video input (yellow) and audio input (white) connectors.

[After connection]

- Turn on the camera and TV.
- Set the mode dial to ►.



• The selected image will be displayed on the TV.

Using a remote control

AV cable

 When using the remote control, point it towards the remote-control sensor on the camera.

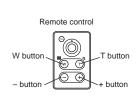
+/- button: Selects images.

W button: Turns on the index-display.

T button: Lets you do close-ups. In this

mode, the magnified area can be moved to the left/right

using the +/- button.



Connect to the A/V

OUT jack (black).

- \bullet The monitor turns off automatically when connected to a PC.
- The image may appear off-center on the TV screen. This is due to the TV's adjustment settings.
- Your TV may produce a black frame around the picture. This is normal.
- The optional AC adapter is recommended when using the camera with a TV.

ERASING IMAGES



Unwanted images can be erased using the same process for both still images and movies. Before erasing, make sure that the protection seal has been removed from the SmartMedia card and other image protection settings on the camera have been cancelled.

Be aware of the following!

- NEVER perform the following acts while erasing pictures. They may destroy data stored in the SmartMedia card.
 - Open the card cover
 - · Eiect the card
 - ·Remove the batteries
 - ·Pull the plug

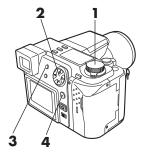
Single frame erasure



- Set the mode dial to ►.
 - The card access lamp will blink and a list of stored images will be read out. After that, the last recorded picture will be displayed.
- 2 Select the images you want to erase using the Arrow pad.
- 3 Press 🏠 (Erase button) .
 - A message asking you to confirm the erasure will appear.
- 4 Make sure that YES is selected, then press the OK button.
 - The selected images will be erased.

To cancel:

Press ▷ on the Arrow pad to select NO, then press the OK button or 省 (Erase button).





Confirmation screen



All-frame erasure



Set the mode dial to **.**.

 The card access lamp will blink and a list of stored images will be read out. After that, the last recorded picture will be displayed.

2 Press 🔳 (Menu button).

The menu screen will be displayed.

3 Select CARD SETUP, then 4.

Press the OK button.

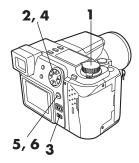
 A message asking you to confirm the erasure will appear.

To cancel:

Press ▷ on the Arrow pad to select NO, then press the OK button or 俗 (Erase button).

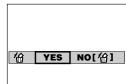
5 Make sure that YES is selected and press the OK button.

 All of the images stored in the SmartMedia card will be erased.



Still image erasure menu screen





Confirmation screen



You can prevent accidental erasure of pictures you want to keep.

(•E

- Set the mode dial to ►.
 - The card access lamp will blink and a list of stored images will be read out. After that, the last recorded picture will be displayed.
- **2** Display the picture you want to protect. (DISPLAY AN IMAGE (P.124), CLOSE-UP DISPLAY (P.126), and INDEX-DISPLAY MODE (P.125).)
- 3 Press the OK button. The displayed picture will then be protected.
 - will appear on the monitor. *To cancel protection:*

Press the OK button a second time while the picture is displayed. Om will disappear and the protection will be cancelled.





- The protected picture will not be deleted with All-Frame erase, but will be deleted with Card format.
- Protection is not available when the write-protect adhesive seal is placed on the card.
- The setting will remain until it is readjusted.

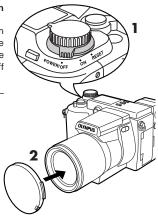
TURNING OFF THE POWER

When you are finished using the camera, turn the power off. Although the camera will automatically enter sleep mode if not used for an extended period of time, turning off the power is still highly recommended.

1 Turn the camera's power switch off.

 The power will now be off. If an image is being recorded on the card (the card access lamp will be blinking), the camera will turn off after recording is complete.

Put on the lens cap.



3

SHOOTING FOR SPECIAL SITUATIONS

This section explains how to use the camera's advanced features to achieve professional-looking results under a variety of conditions.

TAKING PICTURES UNDER DIFFERENT CONDITIONS

Taking portrait pictures





A portrait-style photograph features an in-focus subject against a blurred background. Your camera offers two different ways of achieving this effect.

■ With the mode dial set to "S-Prg", select "S-Prg"-" In the Menu (P. 86).

Focus on the subject. Exposure is adjusted automatically according to the conditions.

Set the mode dial to "A", then manually set the aperture to a lower value. (P. 87) By decreasing the aperture value, you will force the camera to focus within a smaller range, producing a picture with a blurred background.



Taking pictures of moving subjects S | s-Prg | s |





If the subject of your photograph is moving quickly — such as athletes in a sports scene or fast-moving vehicles, you can adjust the shutter speed to capture the action without blurring or to heighten the sense of movement by blurring the action. To capture fast-moving action precisely without blurring, set the shutter speed to higher value. On the other hand, if you want your photograph to have a sense of motion, set the shutter speed to a lower value. This will blur the main subject, while the background remains clear.

Your camera offers two different ways of achieving these effects.

■ With the mode dial set to "S-Prg", select "S-Prg"-" \(\bar{\omega} \) " in the Menu (p.86).

Focus on the subject. Exposure is adjusted automatically according to the conditions.

■ Set the mode dial to "S", then select the shutter speed manually (p.88).



Taking pictures focusing on both subject and the background

For example, if you want to take a picture with a beautiful background when you are on travel, you will want to have both your subject and the background in focus.

Your camera offers two different ways of achieving this effect.

■ With the mode dial set to "S-Prg", select "S-Prg"-" in the Menu (p.86).

Focus on the subject. Exposure is adjusted automatically according to the conditions.

Set the mode dial to "A", then set the aperture manually to a higher value. (p.87)

Increasing the value forces your camera to focus over a wider range to the forward/backward directions, resulting in a picture in which both the subject and the background are in focus.



Taking close-up pictures

When you want to take a picture from a very short range — for example, if your subject is insects or flowers — use the "\" mode (p.90). This allows you to get as close as 4 inches in maximum to your subject (when the zoom lever is set to "W" to the maximum position).

Set the zoom lever to "W" to capture your object in even more detail.





TAKING PICTURES UNDER DIFFERENT CONDITIONS (Cont.)

Taking night scenes







To capture a twilight scene or sunset naturally, you need to set your shutter speed to a lower value. If the Mode dial is set to "P", the lack of brightness will result in a dark picture with only the glow of the sunset or sparkle of the stars appearing.

We recommend that you experiment by taking several pictures to determine the optimum settings for natural-looking twilight shots.

Your camera offers two different ways of capturing twilight scenes.

■ With the mode dial set to "S-Prg", select "S-Prg"-" D " in the Menu (p.86).

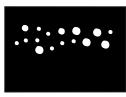
This mode uses the lower shutter speed compared to the normal mode. Exposure is adjusted automatically according to the conditions

■ Set the mode dial to "M", then select both shutter speed and aperture manually (p.89).

Select the optimal aperture, shutter speed and focus range.

Note:

We recommend you to use a tripod for the optimum result for this effect which uses the lower shutter speed.



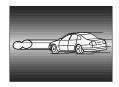


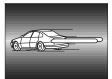


Taking a picture of a moving object at night \$ SLOW

With the slow synchronization (\$ SLOW) mode, you can achieve interesting effects when taking pictures of moving objects (such as cars) at night. Depending on the type of effect, you want you can select from " \$ SLOW " " \$ SLOW 1" or " \$ SLOW 2" in the Menu (p.110).

- Select " + sLow 1" to capture the subject at the beginning of the shutter release. The streak made by the headlights of a moving car will come towards you.
- Select "\$ sLow 2" to capture the subject at the end of the shutter release. The streak made by the taillights of a moving car will recede.





USING THE SCENE PROGRAM (S-Prg) MODE

S-Prg

- 🛾 Press 🔢 to display the Menu.
 - You can display the menu regardless of the mode selected by the mode dial (P, A, S, M, S-Prg).
- **2** Press $\triangle \nabla$ on the Arrow pad to select "S-Prg", then press \triangleright .
- 3 Select the desired S-Prg mode from "a, &, A, D", then press the OK button. (p.82-84)
- Press the OK button again.
 - The settings will be stored in memory, and the Menu will disappear.
- 5 Take a picture.
 - When the aperture is set to F8, the fastest shutter speed possible is 1/1150 sec.





You cannot set the aperture or shutter speed manually in S-Prg mode.

APERTURE PRIORITY MODE

You can set the aperture manually in the Aperture priority mode. This is especially useful for taking portrait pictures with blurred backgrounds.



Set the Mode dial to "A".

Aperture setting is displayed in green.

2 Select $\triangle \nabla$ on the Arrow pad to select the aperture.

 \triangle : Increases the value.

∇ : Decreases the value.

Zoom position	Range of the value
Wide (W)	F2.8 – F8.0
Tele (T)	F3.5 – F8.0

★★ When the aperture indication appears in red on the display

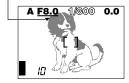
The aperture indication appears in red when the aperture setting is unsuitable for the conditions. "▼" appears beneath the aperture indication when the aperture is too small, and "▲" appears when the aperture is too large (see illustration on the right). Adjust the aperture to the optimum setting according to "▼▲" on the display.

 When the aperture is set to F8, the fastest shutter speed possible is 1/1150 sec.



A F2.8 1/800 0.0

Down exposure



- If you set the Mode dial to "A" when the ISO speed is set to AUTO, ISO speed is automatically set to 100.
- When the built-in flash is activated, you cannot set the shutter speed to 1/30 sec. or slower when the zoom lever is set to the maximum position of "W", and 1/200 sec. or slower when the zoom lever is set to the maximum position of "T".
- Unless OFF is selected in "ALL RESET", the setting will be canceled and reset to off when the power is turned off. (p.148)

SHUTTER PRIORITY MODE

You can set the shutter speed manually in the Shutter priority mode. Set the shutter to a fast speed to capture a moving object. Set it to a slow speed to express motion.



Set the Mode dial to "S".

- Shutter speed appears on the display.
- **2** Press △ ∇ on the Arrow pad to select the shutter speed.
 - \triangle : To increase shutter speed.
 - abla: To lower shutter speed.
 - Shutter speed range* 1/2 to 1/800 (sec)



Shutter speed



★★When the shutter speed indication appears in red on the display

The shutter speed appears in red when the shutter speed is not suitable for the conditions. "\nleft\night\nightarrow\" appears beneath the shutter speed indication when the shutter speed is too high, and "\Lambda" appears when the shutter speed is too low. Adjust the shutter speed to the optimum setting according to "\nleft\night\nightarrow\" on the display.

- If you set the Mode dial to "A" when the ISO speed is set to AUTO, ISO speed is automatically set to 100.
- When the exposure setting is unsuitable, the aperture display will blink and "▲" (overexposure) or "▼" (underexposure) will appear on the display.
- Unless OFF is selected in "All Reset", the setting will be canceled and reset to off when the power is turned off. (p.148)

MANUAL MODE

You can set the aperture and the shutter speed manually in the Manual mode. To check the exposure, refer to the exposure differential on the display.



Set the mode dial to "M".

 The aperture and the shutter speed appear on the display.

2 Press △ ▽ ▷ ◁ on the Arrow pad to select the aperture and the shutter speed.

: Increases the aperture

 \triangle : Makes faster the shutter speed

★★Aperture differential

- The difference (ranging from -3.0 to +3.0) between the exposure determined by the currently selected aperture and shutter speed compared to the exposure level considered optimal by the camera appears in the upper right-hand corner on the screen.
- When AEL is pressed, the aperture differential appears at the bottom of the screen indicated with the bar. Pressing the Shutter button halfway allows you to stop the indicator on the bar when the exposure differential is determined by the camera.
- When the exposure is set to less than -3.0 or more than +3, the aperture differntial appears in red on the display.



Aperture differential

M F2.8 1/800 3.0



When the bar is displayed

- If you set the Mode dial to "M" when the ISO speed is set to AUTO, ISO speed is set to 100 automatically.
- Unless OFF is selected in "All Reset", the setting will be canceled and reset to off when the power is turned off. (p.148)

MACRO MODE **3**

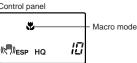
Use the Macro mode to shoot subjects at close range. You can get as close as 4 inches to your subject (when the zoom lever is set to "W" to the maximum position), allowing you to fill the entire frame with your subject.



- Press **▼** to display "**▼**" on the control panel.
 - To cancel the Macro mode, press the Macro button repeatedly until the "\$" goes off on the control panel.

2 Take picture.





Each time you press ■, "♣" goes on and off.

Mode/Control panel		Shooting range	
		WIDE (W)	TELE (T)
No Macro (No indication)		23.6" to ∞	6.5ft to ∞
Macro (♥)		3.9" to 23.6"	3.25ft to 6.5ft

- When you use the flash in the Macro mode, the flash may not have the proper effect. Confirm the result on the display.
- Unless OFF is selected in "All Reset", the setting will be canceled and reset to off when the power is turned off. (p.148)

4

USING YOUR CAMERA'S ADVANCED FUNCTIONS

In this section, you will find out how to take pictures using more advanced functions, such as manual focus, brightness adjustment, special effects, etc.

RECORDING—range/focus

Subjects that are difficult to focus on

Under certain types of conditions auto focus may not work properly. If you run into problems, try the procedure below or switch to Manual focus (p.94).

Conditions 1 to 6

Auto focus may not work properly. The AF confirmation mark may blink.

1 Subjects with low contrast

Lock the focus on an object that is at the same distance from the camera as the subject, then aim at the subject to take the picture. (p. 93)



2 Subjects with no vertical lines

Lock the focus on the subject by holding the camera vertically, then change it to the horizontal position to take the picture. (p. 93)



3 Subjects in excessively bright light

Lock the focus on an object that is at the same distance from the camera as the subject, then aim at the subject to take the picture. (p. 93)



Conditions 4 and 5

Auto focus may not work properly even when the AF confirmation mark lights when you press the Shutter button down halfway.

Subjects at different distances

Lock the focus on an object that is at the same distance from the camera as the subject, then aim at the subject to take the picture. (p. 93)



6 Fast-moving subjects

Lock the focus on an object that is at the same distance from the camera as the subject, then aim at the subject to take the picture. (p. 93)



Focus lock

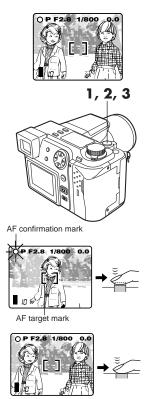
When your main subject is not within the AF target marks , follow the procedure below.

- Position your subject within the AF target mark, and press the Shutter button halfway.
 - The exposure is locked, and the AF confirmation mark lights.

When the AF confirmation mark blinks...

The focus or exposure is not locked. Position your subject again, and repeat step 1 until the AF confirmation mark lights.

- 2 Compose your shot again while keeping the Shutter button pressed down halfway.
- 3 Press the Shutter button all the way down to take the picture.

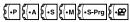


RECORDING—range/focus (Cont.)

Setting the focus manually — Manual focus

MF

Use this function to focus manually.



Press the OK button.

 The focus mode selection menu appears.

Press ▷ on the Arrow pad to select MF.

and the distance indicator appear on the control panel.

3 Press $\triangle \nabla$ to select the focal length.

- The display will be magnified to make focusing easier.
- When the distance indicator is moved to less than 3.25 ft, the display will switch to a shorter distance (3-15/16" to 3.25 ft).

⚠ Press the OK button.

- The setting is stored and MF appears in red.

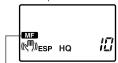
★★Focusing is not possible at ∞:

 Although MF is displayed and the distance indicator at the top of the bar, focusing may not be possible at ∞. When this occurs, press △ ▽ to reset the display.





Control panel



Manual focus

- When using the flash, shoot within the flash working range.
- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p.148).
- The distances shown on the screen are for reference only.
- The picture may go out of focus when the Zoom lever is pressed in the Manual focus mode.

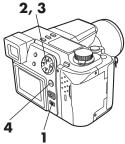
Focusing instantly — FULL TIME AF

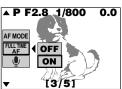
F-AF

With FULL TIME AF, focusing time may be shorter. FULL TIME AF keeps the image on the LCD monitor/viewfinder in focus at all times. To select/cancel FULL TIME AF, set it to ON or OFF in the Menu.



- ∎ Press 🎛 .
 - Menu appears.
- 2 Press △ ▽ on the Arrow pad to select FULL-TIME AF, then press ▷.
- **3** Press $\triangle \nabla$ to select ON, then press the OK button.
 - Confirm your settings.
 - If you want to take a picture now, you can do so.
- ⚠ Press the OK button.
 - The settings are stored and the Menu disappears.





Menu (still picture recording mode)

- Battery power consumption is higher when Full-time AF is on, so battery life will be shortened.
- The setting will not change until it is reset.
- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p.148).

RECORDING—range/focus (Cont.)

Selecting the focus range (AF MODE)

• AF

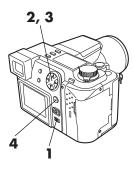
You can select the focus range of your subject.

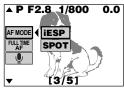
iESP : Focus selection is based on the entire image on the screen (factory preset).

SPOT : Focus selection is based on the image within the AF target mark.

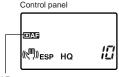


- ¶ Press
 to display Menu.
- **2** Press $\triangle \nabla$ on the Arrow pad to select AF MODE, then press \triangleright .
- - If you want to take a picture now, you can do so.
- ⚠ Press the OK button.
 - The settings are stored and the Menu disappears.





Menu (still picture recording mode)



AF system

Compensating for image blur — Stabilization system (

When you take pictures with at wide-angle or telephoto, camera shake is more likely to affect the picture, causing image blur. If this happens to you, you can compensate for camera shake with the camera shake prevention feature.

Under some conditions, ((M)) may not work effectively.

- ·When the camera angle is changed very quickly
- Night-scene recording
- Overexposure
- ·When the battery indicator is blinking



- 🛮 Press 🔢 to display Menu.
- 2 Press △ ▽ on the Arrow pad to select (♣), then press ▷. When (♣) appears, press △ ▽ to select ON, then press the OK button.
 - To go back to the normal screen, press the OK button again. The setting is stored.
- 3 Press the Shutter button halfway.

 It takes about for 1 sec. to stabilize the image after setting. Check the image on
- Press the Shutter button all the way down.
 - This mode does not work effectively if you press the Shutter button all the way down accordance of the pressing it helfway down.
 - soon after pressing it halfway down.

 If the shutter speed is low (p.110), this mode does not function.
 - Since the Stabilization system remains activated for approx. 2 sec. after a picture is taken, you do not have to wait until the image is stabilized during Sequential shooting.

★★This mode is not suitable in the following cases

When using a tripod.

the screen.

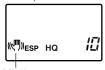
- When using a cinepanhead
- When using a conversion lens





Menu (still picture recording mode)

Control panel



Stabilization system

RECORDING—range/focus (Cont.)

Using the 27X zoom — DIGITAL ZOOM

You can take a 2.7X zoom photograph with the maximum optical zoom. If you use a 10X optical zoom, you can take an 27X zoom photograph with DIGITAL ZOOM.

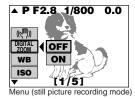


- ¶ Press 🎛 .
 - Menu appears.
- **2** Press △ ▽ on the Arrow pad to select DIGITAL ZOOM, then press ▷ .

When DIGITAL ZOOM appears, press $\triangle \nabla$ to select ON, then press the OK button.

- 3 Press the OK button again.
 - To go back to the normal screen, press the OK button again. The setting is stored.
- 4 Press the zoom lever towards T to magnify the image.
 - The zoom lever is displayed. The white area of the bar indicates optical zoom, and the red area indicates digital zoom.







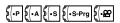
- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p. 148).
- Images may be grainy in this mode.

RECORDING—brightness/exposure

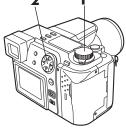
Compensating for lighting conditions — Exposure compensation



You can adjust exposure manually by +/-2 (in increments of approx. 1/3). If you want a white object to appear as white as possible, adjust + to increase the exposure. If you want a black object to appear as black as possible, adjust - to decrease the exposure.

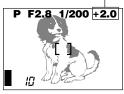


- Set the Mode dial to P, A, S, S-Prg or ₩.
 - The exposure setting will be displayed.
- Press ▷ on the Arrow pad for + adjustment and ☐ for adjustment.
 - When exposure is set to any value other than 0, is displayed on the control panel.



Exposure compensation





Menu (still picture recording mode)

- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p. 148).
- If the subject is mostly dark, the exposure compensation does not function effectively. In such a case, display the recorded picture and check the brightness.
- You cannot correct the amount of light in this mode. To adjust brightness, refer to page 109.

RECORDING—brightness/exposure (Cont.)

Selecting the area of the brightness for metering — Metering mode © ESP © •

You can select the area of the brightness for metering. When you know the area is properly exposed, press the to to choose the metering mode.

Setting mode/Control panel display	y Functions
Standard (digital ESP metering)	Meters the center of the subject and the area around the subject (digital ESP metering)
Center-weighted averaging metering	Meters the center of the subject primarily.
Spot metering	Meters within the AF target mark primarily. Use this mode when backlight is making the subject darker.

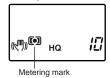


- Press until (Spot metering) or (Center-weighted averaging metering) mark is displayed on the control panel.
- 2 Take pictures.

- When MULTI METERING is set to ON, ESP is not available. → Multi metering (P. 132)
- When the Mode dial is set to M, the metering mode can be switched. However, the exposure setting value is adjusted in the Manual mode (P. 89). The exposure value is displayed on the bar.

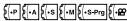


Control panel

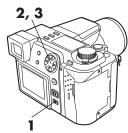


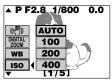
Changing the ISO

Increase the ISO when you want to take pictures in low-light situations with a fairly high shutter speed. You can select from AUTO, as well as 100, 200 and 400. When you set to AUTO, the sensitivity is automatically changed depending on the shooting conditions. The higher the ISO, the faster the shutter speed that can be used and the less light required.



- Press **≡**.
 - Menu appears.
- **9** Press $\triangle \nabla$ on the Arrow pad to select ISO, then press \triangleright .
- ? Press $\wedge \nabla$ select the to sensitivity, then press the OK button. You can select AUTO only when the Mode dial is set to P, S-Pra. 🕰 .
 - To go back to the normal screen. press the OK button again. The setting is stored.
 - ISO appears on the control panel when a setting other than AUTO is selected.
 - ISO blinks on the control panel even when the ISO is automatically increased in the AUTO mode.





Menu (still picture recording mode)



- The ISO scale is based on that used for conventional photographic film, but the figures are for reference only.
- When set to AUTO, sensitivity will be changed to 100 when the Mode dial is set to A/S/M.
- When AUTO is selected, the ISO is automatically increased in low-light situations when the flash is not used. This is to prevent blurring from camera shake.
- Pictures will appear grainy when the ISO is high.
- Unless OFF is selected in All Reset, the setting will be canceled and reset to AUTO when the power is turned off (p. 148).

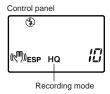
RECORDING—brightness/exposure (Cont.)

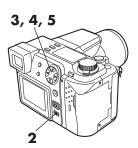
Recording images sequentially with different exposures — Auto bracket ORIVE BKT

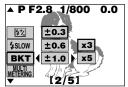
Use this mode to record images with different exposures. Focus and white balance will be measured first and fixed during sequential shooting. You can select the number of pictures to take sequentially.

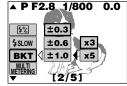
(-P (-A (-s

- Set the record mode to any mode other than TIFF. If the record mode is set to TIFF, BKT is not available. (P. 104)
- 🔁 Press 🔳 to display the Menu.
- **3** Press $\triangle \nabla$ on the Arrow pad to select BKT, then press \triangleright .
- **4** Press $\triangle \nabla$ to select the range, then press \triangleright .
- Press △ ▽ to select the number of pictures, then press the OK button repeatedly until the Menu disappears.









- 6 Press DRIVE until BKT disappears from the control panel.
- **7** Take a picture.
 - When the Shutter button is released in the sequence mode, the camera stops taking pictures.



- If there is not enough room left in memory for the sequence mode with Bracketing, it will not be possible to take next picture.
- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p. 148).

RECORDING-color/image quality

Setting the record mode

TIFF SHQ HQ SQ

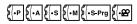
Select the desired record mode.

• With the mode dial set to P, A, S, M or S-Prg (for still pictures)

You can select from TIFF, SHQ, HQ and SQ. Image quality increases in the order of SQ→HQ→SHQ→TIFF. TIFF is the highest quality image format. The higher the quality, the better the printed images will look. Pictures shot in the SHQ or TIFF mode take longer to record and play back than picture shot in SQ and HQ.

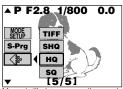
ullet With the mode dial set to lacktriangle (for motion picture recording)

You can select from HQ and SQ. The image quality increases in the order of SQ \rightarrow HQ.



- 📘 Press 🔢 to display Menu.
- **2** Press $\triangle \nabla$ on the Arrow pad to select \P , then press \triangleright .
- **3** Press $\triangle \nabla$ to select the image quality, then press the OK button.
 - File size and compression rate values can be selected for TIFF and SQ. (P. 153-155)
 - Pressing the OK button again stores the setting and restores the normal screen.





Menu (still picture recording mode)

Control panel

Record mode

★★ Default resolution and compression rate settings

Refer to the table below for image quality factory presets.

- For TIFF mode, you can select the resolution (p.153).
- For SQ mode, you can select the resolution and compression rate (p.154).

Still picture recording (Initial settings)

Record mode	TIFF	SHQ	HQ	SQ [NORMAL]
Resolution		1600 x 1200 pixels		640 x 480 pixels
Compression	Uncom- pressed	Low- Compression JPEG	Standard JPEG	Standard JPEG

Movie recording (Initial settings)

Record mode	Resolution
HQ	320 x 240 pixels (15 frames/sec.)
SQ	160 x 120 pixels (15 frames/sec.)

- The number of pictures that can be stored or the number of seconds of motion recording varies according to the recording mode. (P. 63)
- Unless OFF is selected in All Reset, the setting will be canceled when the power is turned off (p. 148).

RECORDING—using the flash

Select a flash mode to match the lighting conditions and the effect you want to achieve. You can also correct the amount of light using the flash compensation mode (p.109). To use the external flash, refer to page 112.

Press **5** (Flash mode button) to select a flash mode. Each time you press the button, the camera switches between the following flash modes. (P. 108)

Flash mode/Control panel Separation | Significantly reduces the phenomenon of "red-eye" (subject's eyes appearing red). Fill-In Flash (p. 107) Filesh mode/Control panel Automatically fires in low-light and backlight conditions. Significantly reduces the phenomenon of "red-eye" (subject's eyes appearing red). Filesh mode/Control panel Automatically fires in low-light and backlight conditions. Significantly reduces the phenomenon of "red-eye" (subject's eyes appearing red).

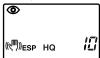
■ FLASH OFF ③

- The ③ is displayed whenever the built-in flash is within the camera housing. You cannot select this mode if the built-in flash is extended.
- In the following situation, the flash does not fire even when the flash is extended. ② appears on the control panel.
- Bracketing **BKT**
- Picture effects (WHITE BOARD/BLACK BOARD)
- Movie Recording ₩
- − Taking panorama pictures

Flash working range:

Wide-angle: Approx. 11.8" to 13 ft Telephoto: Approx. 3.25 ft to 11 ft





■ RED-EYE REDUCTION FLASH **③**

This mode significantly reduces the phenomenon of "red-eye" by emitting about 10 pre-flashes before firing the regular flash. This mode works the same way as the auto-flash except for the pre-flashes.



Note:

- It takes about 1 sec, before the Shutter is released.
- Effectiveness may be limited if the subject is not looking directly at the preflashes, or if the shooting range is to far. Individual physical characteristics may also limit effectiveness.
- The mode is not available when the Mode dial is set to M and S-Prg-Sports.

Fill-in Flash (forced activation) \$

The flash fires regardless of available light. This mode is useful for eliminating shadows on the subject's face or for correcting the color shift produced by artificial lighting (especially fluorescent light).



Note:

- It may not have the desired effect under excessively bright light.
- OFF ((flash override)

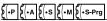
The flash does not fire even in lowlight conditions. Use this mode in situations where flash photography is not desired or prohibited, or when you want to shoot a natural-looking twilight or night scene. To use this mode, push the flash back into the camera



Note:

Since a slow shutter speed is automatically selected in low-light situations
when in the OFF mode, the use of a tripod is recommended to prevent
blurred pictures caused by camera shake.

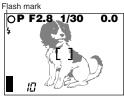
RECORDING—using the flash(Cont.)



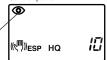
- Slide the flash switch to the left to pop up the flash.
 - The flash does not fire in the movie recording mode (♠).
- 2 Press 4 until the desired flash mode appears on the control panel.
 - Each time you press \$, the flash mode will switch from AUTO-FLASH → RED-EYE REDUCTION FLASH (③) → FILL-IN FLASH (\$).
- 3 Press the Shutter button halfway down.
 - When the flash mark (\$) lights on the display, the flash is ready to fire.
 - If the flash mark (\$) is blinking, the flash is charging. In this case, release the Shutter button and wait until the flash mark lights steadily before taking the picture.
 - Pay attention to the "Notes" for each mode (p.106/107).

4 Press the Shutter button all the way down.





Control panel



- The flash does not function in the Bracketing (p.102), Picture Effects (WHITE BOARD/BLACK BOARD) (p.137) and Panorama modes(p.135).
- The flash may not give you the results you want in the Macro mode, especially with wide-angle shooting. Check your results on the Monitor. If a conversion lens is attached to the lens, it may reduce the output of the flash.
- Unless OFF is selected in All Reset, the setting will be canceled and reset to Auto-Flash when the power is turned off (p.148).

Correcting the amount of light produced by the flash — Flash intensity control

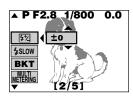
You can adjust the amount of light emitted by the flash to correspond with your shooting requirements.

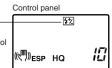


- Press to display Menu.
- **2** Press $\triangle \nabla$ on the Arrow pad to select \mathfrak{D} , then press \triangleright .
- 3 Press △ ▽ to increase/decrease the amount of light emitted.
 - 🔁 appears on the control panel.
 - Use △ ▽ to increase/decrease the value.
 - △: The exposure is corrected by a +1/3 EV step with each press.
 - ∀: The exposure is corrected by a −1/3 EV step with each press.
 - Correction can be made within a range of ±2EV (ExposureValue).
- Press the OK button.
 - The setting is stored in memory and the Menu disappears.

Flash intensity control







- If the FL-40 extension flash is set to TTL-AUTO and used simultaneously with the main flash, correction is made for the amount of light emitted by both flashes.
- If the FL-40 external flash is set to MANUAL and used simultaneously with the main flash, correction is made only for the amount of light emitted by the main flash only.
- The flash correction effect may not be sufficient if the shutter speed is too fast.

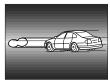
RECORDING—using the flash (Cont.)

Selecting the flash light emission timing — Slow synchronization flash mode \$ SLOW

This mode allows you to synchronize the light emitted by the flash with a slow shutter speed. Setting the shutter speed to a lower value lets you capture a sharper image.

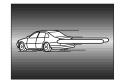
SLOW 1 : 1st-CURTAIN:

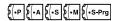
To capture the subject at the beginning of the shutter release. The streak made by the headlights of a moving car will come towards you.



SLOW 2 : 2nd-CURTAIN:

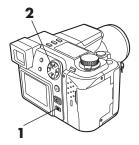
To capture the subject at the end of the shutter release. The streak made by the taillights of a moving car will recede.





Press to display Menu.

- This mode does not function if the mode dial set to S-Prg, and a , so or a is selected.
- **2** Press $\triangle \nabla$ on the Arrow pad to select \$ SLOW, then press \triangleright .



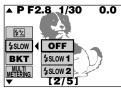
Press △ ▽ to select SLOW 1 or SLOW 2, then press the OK button.

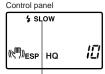
- \$ SLOW appears on the control panel.
- Press the OK button again to store the setting. The Menu disappears and the normal screen is restored.

▲ Take a picture.

 When SLOW 2 is selected, the flash will fire a pre-flash before the regular flash.







Slow shutter synchronization flash mode

- It is impossible to select \$ SLOW OFF when the Mode dial is set to S or M.
 If the Mode dial is switched to S or M when \$ SLOW OFF has been selected. SLOW 1 will be set. You can then select from SLOW 1 or SLOW 2.
- Since a slow shutter speed is automatically selected in this mode, use the tripod to prevent blurred pictures caused by camera shake.
- This mode can be used with both the built-in flash and an external flash.
- Unless OFF is selected in All Reset, the setting will be canceled and reset to off when the power is turned off (p.148).

RECORDING—using the flash (Cont.)

Using an external flash

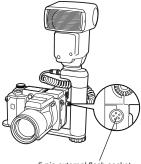
The FL-40 external flash (optional) can be used when taking flash pictures, either by itself or together with the main flash. To connect the FL-40 to the camera, the exclusive FL-BK01 flash bracket (optional) and FL-CB01 bracket cable (optional) are required. Without these options, the FL-40 will not perform differently from non-Olympus external flashes.

■ Taking pictures using both the main flash and the FL-40 external flash

If the FL-40 is used, flash mode and exposure compensation will be detected automatically by the camera, allowing the main flash and external flash to function together.

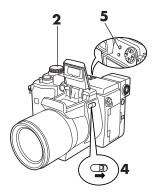
Using the two flashes together allows for more sophisticated lighting, such as catch lighting.

- Mount the FL-40 external flash on the flash bracket, then fasten it to the camera's tripod socket and connect the flash bracket and the camera's 5-pin external flash socket using the bracket cable.
 - Please refer to each separate instruction manual for the external flash, flash bracket, and flash cable.
 - The 5-pin external flash socket cover on the camera is threaded. Unscrew and remove it before connecting the bracket cable.



5-pin external flash socket

- 2 Set the Mode dial to P, A, S, M, or S-Prg.
- 3 Turn on the external flash.
 - The mode for the external flash is TTL-AUTO.
- 4 Slide the flash switch on the camera to open the main flash.
- 5 Press 4 (Flash mode button) to select the camera's flash mode.
 - Auto-Flash (P.72), Red-Eye Reduction Flash (P.107), and Fill-in Flash (P.107) are available.
 - A slow-shutter synchronization flash can also be set (P.110).



RECORDING—using the flash (Cont.)

■ Taking pictures using the FL-40 external flash by itself

See steps 1 and 2 in Taking pictures using both the main flash and the FL-40 external flash (P.112)

- 3 Make sure that the main flash is closed. If it opens at any time during shooting, close it.
- 4 Press 4 (Flash mode button) to display the available modes on the control panel. Modes will be displayed in the following order: Auto-Flash (no display), Red-Eye Reduction Flash , Fill-in Flash 4, FLASH OFF (2).



Note:

When using both the FL-40 external flash and the main flash

- \bullet If close-up pictures are overexposed, try using the main flash by itself.
- When the main flash and the FL-40 are used together, the main flash is used as the compensating light source. This means that if the amount of light from the FL-40 is insufficient (beyond its working range), the resulting pictures may be underexposed.

When using the FL-40 external flash by itself

• The extension flash may occasionally misfire.

Taking pictures with commercially available external flashes

External flashes (commercially available) can also be used with the exclusive FL-BK01 (optional) and FL-CB01 bracket cable (optional). For details about how and when to use external flash, see "Usable commercially available external flashes". (P. 116)

- Mount an external flash on the flash bracket, then fasten it to the camera's tripod socket and connect the flash bracket and the camera's 5-pin external flash socket using the bracket cable.
- 2 Set the Mode dial to M, then adjust the shutter speed and the aperture.
 - Remember that a slow shutter speed can produce blurred images.
- 3 Turn on the external flash.
- 4 Set the flash mode on the external flash. Also set ISO and aperture on the external flash to match the camera's settings.
 - See the user's manual for the external flash to select its modes



5-pin external flash socket

Note:

- The camera's flash mode will have no effect on the external flash. The external flash will fire even when the camera's flash mode is set to OFF.
- Check the following before using a commercially available external flash:
 - Some flashes available on the market operate with a high voltage synchro terminal. If one of these is used, it may not function normally. Contact the manufacturer of the flash you are using concerning the specifications of the flash's synchro terminal.
 - Some flashes available on the market have the polarity of the synchro terminal reversed. In this case, even if the flash is connected, it will not fire. Contact the manufacturer of the flash for more information.
- Confirm in advance that the external flash you are using is synchronized with the camera.
- We highly recommend that an Olympus external flash be used with this camera.

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RECORDING—using the flash (Cont.)

■ Usable commercially available external flashes

When selecting an extension flash, use products which meet the following basic conditions.

- (1) Exposures when using an extension flash require that adjustments be made on the extension flash unit.
 - If an extension flash is used in the Auto mode, match it with the F value and ISO sensitivity settings on the camera.
- (2) Even if the auto F value and ISO sensitivity of the extension flash are set to the same conditions as those on the camera, depending on the photographic conditions, it is possible that the correct exposure may not be obtained anyway. In such a case, adjust the auto F value or ISO value on extension flash unit or calculate the distance in the manual mode and use it that way. However, generally, the auto F value and ISO value can only be adjusted 1 step and beyond that, exposure compensation cannot be made. (Exposure compensation in the camera is made invalid in extension flash photography.)
- (3) Use a flash which is capable of covering an illumination angle for a 38 mm or larger lens when calculated for 35 mm film. However, in close-up photography with the lens on the wide setting, the bottom of the image may not expose correctly. The ideal is to have a wide angle adapter to fit on the flash and spread the illumination angle so it is wider.
- (4) Use a flash unit with a flash time of 1/200 sec. or less when using the flash at full strength. For devices with a long flash time, such as a ring flash, a portion of the light emitted will not contribute to the exposure.
- (5) If a flash unit or other accessory with additional communications functions other than the FL-40 is used, it may not only fail to function normally, but may also cause damage to the camera's circuitry. Do not use such a device.

RECORDING—Others

Use this mode to take pictures in sequence. When the shutter release button is held down, the camera will take pictures in sequence. Picture-taking will stop when you release your finger from the button. A max. 2 frames/sec. is available in this mode. (in all record modes except TIFF) Press DRIVE to change the function of this mode. The sequential mode includes:

Single-picture Shooting (no display): Takes only one picture when you press the shutter button. (Initial setting)

- Sequential Shooting (): Takes pictures in sequence. Focus, brightness (exposure), and white balance are locked at the first frame. Up to 5 frames can be taken in sequence at once. The approximate recording speed during Sequential mode and the number of still pictures that can be stored is shown below.
- AF sequential Shooting (AF): Takes pictures in sequence. Focus, brightness (exposure), and white balance are metered and adjusted in each frame. The speed of picture-taking slows down. Up to 5 frames can be taken in sequence at once. The approximate recording speed during Sequential mode and the number of still pictures that can be stored is shown below.
- Self-timer/remote-control (\(\frac{1}{2} \infty \): Takes pictures with the self-timer/remote-control. See P.119 to 121 for further information.
- Auto bracket (BKT): Takes pictures in sequence. The camera will adjust the brightness (exposure) in each frame. Focus and white balance are locked at the first frame. See P.102 for further information.

Recording speed during Sequential mode and number of still pictures that can be stored

Record mode	Recording speed during Sequential mode	Number of storable still pictures
TIFF	Not available.	
SHQ	1.5 frames/sec	approx. 5
HQ	1.8 frames/sec	approx. 16
SQ (640 X 480)	2 frames/sec	approx. 86

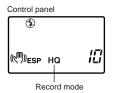
Note:

 When using the flash, the speed of sequential shooting slows down, to allow the flash to recharge.

RECORDING—Others (Cont.)

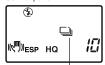
Sequential shooting/AF sequential shooting

- Set the record mode to any mode other than TIFF. If the record mode is set to TIFF, the Sequential mode is not available. (P. 104).
- 2 Make sure that the mode dial is switched to P, A, S, M or S-Prg.
- Press DRIVE until (sequential mode) or AF (AF sequential mode) is displayed.
- Press the shutter button to take pictures.
 - If the battery power runs out during sequential shooting and the battery check mark blinks, shooting stops.
 Pictures already taken will be written to the card.





Control panel



Sequential shooting mode

- Red-eye reduction mode ② cannot be set during the sequential mode.
- When using an external flash, set the speed fast enough to fire for each shot during sequential shooting.
- Since the slowest shutter speed in the sequence mode is set to 1/30 second to prevent blurring from camera movement, the resulting picture may be darker than expected.
- Unless OFF is selected in All Reset, settings will not be cancelled when the power is turned off. (P. 148)

Using the self-timer

Use a tripod to fix the camera securely.



- Press DRIVE until å⊗ (selftimer/remote control) is displayed on the control panel.
- ? Press the shutter button.
 - The self-timer lamp on the front of the camera will light up for approx.
 10 seconds. Then, the illuminator will blink for approx.
 2 seconds and the shutter will be released.

To stop the self-timer:

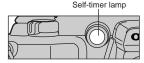
Press (DRIVE).



Control panel



Self-timer/remote control



 The self-timer/remote control mode will be cancelled once self-timer shooting is complete.

RECORDING—Others (Cont.)

Taking pictures using the remote control

You can shoot and display pictures using the remote control. (P. 76) Before use, attach the camera to a tripod securely.



Press DRIVE until 10 (self-timer/remote control) appears.



Control panel



Self-timer/Remote Control

- 2 Compose the picture, aim the remote control at the remote control window on the camera, then press the shutter button on the remote control to take the picture.
 - The self-timer lamp will blink.
- When the mode dial is set to P, A, S, M, or S-Prg...

Press the shutter button on the remote control.

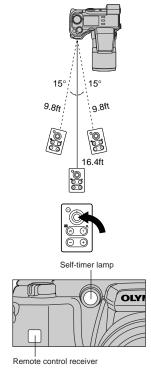
 The self-timer lamp will blink and the shutter will be released in approx. 3 seconds.

When the mode dial is set to (movie), press the shutter button on the remote control.

 The self-timer lamp will blink and the shutter will be released in approx. 2 seconds. Recording will then start. To stop recording, press the shutter button. The card will then begin storing the picture data taken so far.

★★When the remote control does not work

- If the self-timer lamp does not blink when the shutter button on the remote control is pressed, get closer to the camera and try it again.
- If the self-timer lamp does not blink, there may be frequency interference. Change the remote control's frequency according to its instruction manual.



- Working distance may be reduced in brightly lit areas, such as direct sunlight.
- Do not expose the remote control window to bright light.
- The self-timer/remote control mode will not be cancelled when shooting is finished.

RECORDING—Others (Cont.)

Recording Sound When Taking A Picture — Sound record



Select to take pictures with or without sound.

Still Picture Recording: 4-second sound recording is possible.

Movie Recording: Simultaneous sound recording is possible.

Set the sound record mode in the Still picture record mode or the $\ensuremath{\mathbf{\Omega}}$ mode independently.

Sound can be added to still pictures after they are taken. (P. 139)



When taking a still picture: Set the mode dial to P, A, S, M or S-Prg.

When recording a movie: Set the mode dial to Ω (movie).

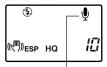
- 🤈 Press 🎛 .
 - The menu screen will appear.
- **3** Press $\triangle \nabla$ on the Arrow pad and select \P , then press \triangleright .
- **4** Press $\triangle \nabla$ and select ON, then press the OK button.
 - A recording mark will appear on the control panel.



Still Picture Recording Menu







Sound record mark

5 Press the OK button, then take the picture.

- Settings will be stored and the menu screen will disappear.
- 0.5 seconds after the shutter is released, sound recording will start.

6 During recording, turn the camera microphone towards the subject.

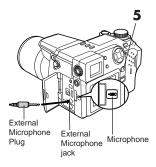
- During recording, the recording mark on the control panel will blink and a bar showing that recording is proceeding will be displayed.
- When the camera is more than 1m from the subject, sound cannot be recorded clearly.
- During recording, it is not possible to take the next picture.

★★Recording a sound memo using an external microphone

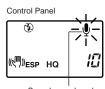
Connect an external microphone to the camera's external microphone jack and turn the microphone towards the intended subject. The built-in microphone is disabled when an external microphone is used.

★★In the Display 🕑 mode

Sound can be added to still pictures already taken. → P.139







Sound record mark

- This function is not available in TIFF. Sound can be added later to still pictures. (P.139)
- This function is not available when the drive mode is set to sequential shooting AF or auto bracket KT .

DISPLAY—Checking Recorded Pictures

Single-picture display or index display (showing multiple pictures at one time) are available. You can also magnify a single picture (close-up display) or display pictures like an automatic slide-show (automatic display).

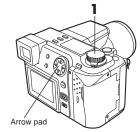
Displaying a single image — Single Image Display

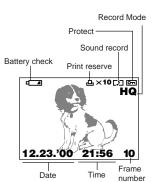


Set the mode dial to ►.

- The card access lamp will blink and the last picture taken will appear on the Monitor.
- If you press , you can switch the display in the viewfinder. (P.65)
- To select a picture for display, use the Arrow pad.

 - > : Go to the next picture.
 - ∴ : Go back 10 pictures.
- To see information about a picture, such as set items, date, or file name, press the INFO button. Battery check (P.28)
- The functions accessed by turning the Mode dial in the Display mode are also available in Quick view. (P. 73)
- You can rotate a vertically oriented picture. → Rotating a vertically oriented picture (P. 138)





Single image Display (when picture information is being displayed)

- Do not press the LCD monitor strongly with your finger or you may cause damage.
- To play sound, connect the camera to a TV.

Displaying Multiple Pictures At One Time — Index Display

If you turn the zoom lever to W, you can display multiple pictures at once (4, 9, or 16-grid). This is convenient for picking one picture in comparison to several others. To change the number of pictures displayed → CHANGE THE NUMBER OF PICTURES IN THE INDEX DISPLAY. (P.165)



Set the mode dial to 🕒.

 The card access lamp will blink and the last picture taken will appear on the Monitor.

Turn the zoom lever to W.

 The pictures, including the one displayed in step 1, will appear after a few seconds.

3 Select the picture you want to see using the Arrow pad.

- >: Move to the right.
- ∴: Go to the previous page, keeping the picture in the top left
- ∀: Go to the next page, keeping the picture in the bottom right.





Index Display (9-division)

When choosing a picture in the index display to view separately... Select the picture using the Arrow pad and turn the zoom lever to T.

DISPLAY—Checking Recorded Pictures (Cont.)

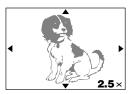
Close-up display

By moving the zoom lever to the T side, images can be enlarged 1.5x, 2x, 2.5x, or 3x.



- Select the images you want to enlarge.
 - Images with the
 [™] mark cannot be enlarged.
- 2 Press the zoom lever towards T.
 - With each further press of the zoom lever, the picture will be enlarged 1.5x, 2x, 2.5x, or 3x.
 - To return to 1x, press the zoom lever to W.





To see a different area of the picture enlarged:

Press the Arrow pad (\triangleleft / \triangleright / \triangle) to slide the enlarged picture and view in the directions \blacktriangleleft / \triangleright / \triangle / \blacktriangledown on the screen.

To select another picture to enlarge:

Turn the zoom lever to W to return to 1x, then select the desired picture. (P.124/125)

Slide-show

This mode allows you to automatically run through multiple pictures stored on the card.



- ¶ Press Ⅲ.
 - The menu screen will be displayed.
- 2 Press △ ▽ on the Arrow pad to select the slide-show mode, then press ▷ to select START.
- ? Press the OK button.
 - The slide-show will start
 - To cancel the slide-show, press the menu button.





- Use the AC adapter to run the slide-show for long periods of time. If batteries are used, the power will turn off automatically in about 30 minutes.
- The slide-show will not stop until you cancel it.

5

ADVANCED RECORDING/DISPLAY TECHNIQUES

This chapter discusses various advanced recording/displaying techniques that give you greater creative flexibility. You can control various settings and functions as precisely as desired. Note that the items you can adjust in the Still Image Recording Display menu are different from the items you can adjust in the Movie Recording and Display Menus.

RECORDING—brightness/exposure

Locking the Exposure ~ AE Lock

AEL

By pressing the AEL button, you can lock the exposure at the setting you prefer. This is useful when you want to set an exposure that is different from what the camera would normally choose.



Set the Mode Dial to P, A, S, S-Prg or ↔.

 AE Lock is not available when it is set to M.

2 Compose your shot, then press the AEL button.

- AEL appears when the exposure is being recorded.
- When MULTI METERING is set to ON in the menu, the light meter is displayed on the Monitor. Set it to OFF to turn off the display. (P132)

To change the locked exposure...

Re-position the camera and press the AEL button again. Each time you press the AEL button, the exposure is reset to the current reading.

To cancel AE lock...

Press ▷ on the Arrow pad. The AEL display disappears.

To keep the memorized exposure after recording (AE Memory)...

Press

on the Arrow pad, then

MEMO appears.







AE being recorded

- Position the AF target mark where you like to focus, then press the shutter button halfway down.
 - AF confirmation mark lights.
- 4 Press the shutter button all the way down.
 - After recording, the AE lock is released, and the <u>AEL</u> display disappears.
 - When MEMO is displayed, the exposure remains memorized and is effective next time you take a picture.
- AE lock is possible even after pressing the shutter button halfway down.

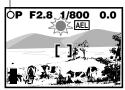
★★When the AE lock is canceled

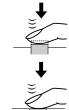
The AE lock and AE Memory are canceled, when...

- The Mode Dial setting is changed.
- The power is turned off.
- Metering mode is changed with (Metering mode button).
- Drive mode is changed.
- Flash mode is changed.
- 📰 is pressed to display the Menu screen.

The AE Lock remains engaged even when the camera is set to sleep mode.

AF confirmation mark







Note:

• The AE Lock is not available with the Menu screen displayed.

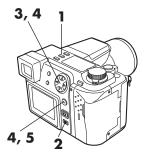
RECORDING—brightness/exposure (cont.)

Metering the Average Brightness ~ Multi-Metering

Meters the brightness of the subject at up to 8 different points to set the correct exposure based on the average brightness.



- Press (Metering mode button) and select (Center-weighted averaging metering) or (Spot Metering). (P.100)
- Press △ ▽ on the Arrow pad, and select "MULTI METERING", then press ▷.
- **4** Press △ ▽ and select "ON", then press the OK button.
- Press the OK button again.
 The setting is stored and the Menu screen disappears, then the normal screen comes back on.





Still Picture Recording Menu

- 6 Aim the camera at the subject and press AEL (Multi-Metering button).
 - At the bottom of the screen, a progress bar appears.
 - Brightness readings are ignored after the 9th reading.
 - When you press AEL, all metered values are reset.
 - When you press



7 Take a picture.

eg.: When metering 2 points. (pressing AEL button twice)

The average values for the aperture and shutter speed as calculated by metering 2 points. These values are recalculated every time another metering point is added.

■ indicates how

indicates the average for the 2 meterage in indicates. The average is always shown at the center of the bar.



The reading with the AEL button pressed.

♦ indicates the number of times you have pressed the button . ♦ indicates the difference between the metered and average readings.

windcates how much the present exposure you are metering is different from the average exposure value. The present exposure can be fixed by pressing the shutter button halfway down. (The present exposure is not added to the average value unless you press the AEL button.)

When ♦ moves ±3 far from the center of the bar (the average reading), the red < > appears.

RECORDING—color/image quality

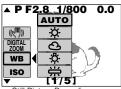
Adjusting the Color ~ White Balance

Color reproduction differs depending on the lighting conditions. You can adjust the white balance to match the lighting conditions and assure natural looking colors. Settings for tungsten and fluorescent lights are also available, allowing you to get better results indoors.

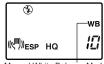


- Press **I**■.
 - The Menu screen appears.
- **2** Press △ ▽ on the Arrow pad and select "WB", then press ▷.
- 3 Press △ ▽ and select a setting item (see below), then press the OK button.
 - Setting Items: AUTO.
 - O (Daylight),
 - (Overcast),
 - (Tungsten Light) or
 - If the OK button is pressed again, the setting is stored and the Menu screen disappears. The normal screen comes back on.
 - When any setting except Auto is selected, "WB" appears in the control panel.





Still Picture Recording menu



Manual White Balance Mark

- Set to Auto for most shooting conditions.
- Under certain lighting conditions, Auto may not be suitable.
- When ALL RESET is off (p.148), current settings are retained even when the power is turned off.
- Make sure you check the color with the image displayed.

RECORDING—others

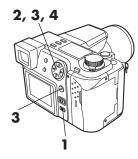
Taking Panorama Pictures—Function Card

The Olympus SmartMedia card has a Panorama Mode that allows you to take extra-wide panoramic shots.

You can use CAMEDIA Master to connect several images end to end to create a single panorama picture.



- ¶ Press ☷.
 - The Menu screen appears.
- **2** Press $\triangle \nabla$ on the Arrow pad and select " \prod ".
- **3** Press ▷ and select "PLAY", then press the OK button.
- Press the Arrow pad, and select the connecting direction (right, left, up and down).
 - The direction in which the pictures will be connected is indicated.





RECORDING—others (cont.)

5 Compose your pictures so that the end of each picture is the beginning of the next picture.

- Focus, Exposure and White Balance will be fixed on the first shot. Do not take the first picture with the sun in the frame.
- After the first shot, do not switch to telephoto shooting as this will disable the picture connection function.
- Up to 10 panorama pictures can be recorded.





Take pictures so that the end of each picture is the beginning of the next picture.

6 To exit panorama shooting, press **:≡**.

 The frame on the screen disappears and the normal screen is restored.

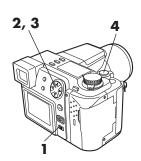
- Panorama Mode is available with standard cards only.
- You cannot assemble a panorama picture using only the camera. Use the CAMEDIA Master 2.0 to assemble a panorama picture.
- For best results, shoot panorama pictures in the SQ mode. If you use HQ/SHQ modes, your PC may run out of memory.
- Panorama pictures shot in TIFF (Non-Compression) mode are recorded in JPEG format.
- Even when it gets dark, the 4 (Flash mark) does not appear when you press the shutter halfway down during panorama picture recording.

Special Effects ~ Function Shooting

"BLACK & WHITE" lets you shoot in black and white picture, while "SEPIA" adds a sepia (brownish tint) to your image. "WHITE BOARD" lets you take a picture and superimpose letters on a white board, while "BLACK BOARD" does the same with a black board. When the Mode dial is set to \$\mathbb{E}\$, only "BLACK & WHITE" and "SEPIA" are available.



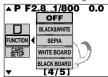
- 1 Press **≡**.
 - The Menu screen appears.
- **2** Press $\triangle \nabla$ on the Arrow pad and select "FUNCTION", then press \triangleright .
- 3 Press △ ▽ and select an item (see above), then press the OK button.
 - If the OK button is pressed again, the setting is stored and the Menu screen disappears. The normal screen comes back on.

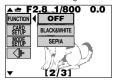


▲ Take a picture.

Still Picture Recording Menu

Movie Recording Menu





- When "WHITE BOARD" or "BLACK BOARD" is selected, the flash mode is set to (flash override). (P. 107)
- Adjust the exposure if letters are not clearly recorded with "WHITE BOARD" or "BLACK BOARD" selected. (P. 99)
- When "ALL RESET" is off (p.148), current settings are retained even when the power is turned off.
- When the Mode dial is set to ₩, "WHITE BOARD" and "BLACK BOARD" are turned off
- White balance cannot be used.

DISPLAY—checking pictures after shooting

Rotating and Checking Vertically Oriented Pictures 🐷 / 📵

When you take a shot with the camera held in the vertical position, the image will be oriented vertically, ie. longer vertically than horizontally. You can turn it horizontally, 90° clockwise or counter-clockwise.



- Display a vertically oriented picture.
- 2 To turn it 90° clockwise...
 Press ☑ (Macro button).
 To turn it 90° counter-clockwise...
 Press ☑ (Metering mode button).
 To restore the original position...
 Press ☑ (Drive) (Drive button).





A vertically oriented picture



Pressing (macro button) turns the picture 90* clockwise.



Pressing (metering button) turns the picture 90* counter-clockwise.

- The setting is retained in memory even with the power off.
- This function is not available during Print reserve operation. When you
 restore the normal display mode, this function is available again.

DISPLAY—processing pictures

Add Sound Memo to Still Pictures

You can add sound to still pictures or change the audio that has already been recorded,

How to use an external microphone...

Sound can be recorded with an external microphone (optional). Use only microphones exclusively made for digital cameras.



- Press 🖼.
 - The Menu screen appears.
- **2** Press $\triangle \nabla$ on the Arrow pad and select \P , then press \triangleright .
- 3 Point the microphone in the direction of the sound you want to record.
 - For clear sound, the microphone should be no further than 1m from the subject.
- Press the OK button and start recording.
 - Recording time is approx. 4 seconds.
 - During recording, a progress bar appears.







- Sound recording is not possible with protected images.
- Sound recording is not possible on write-protected cards.
- Sound recording is not possible on a card with inadequate memory.
- When new sound is recorded, the previously recorded sound is erased.

DISPLAY—processing pictures (cont.)

Processing Movies ~ Function Display

Indexing or editing a movie.

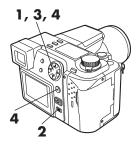
■Making an index

To check a movie at a glance, you can make an index. You can also store the index on a SmartMedia card as still pictures. A movie index can have up to 9 pictures. Index pictures are not stored in the same mode as the one in which they were originally shot.

Mode when shot	Mode when stored as the index	
HQ	SQ (1024 x 768/High Quality)	
SQ	SQ (640 x 480/High Quality)	



- Press the Arrow pad and display a picture with ♠ attached.
- Press Ⅲ.
 The Menu screen appears.
- **3** Press $\triangle \nabla$ and select "FUNCTION", then press \triangleright .
- Press △ ▽ and select "MOVIE INDEX", then press the OK button.





Press the Arrow pad and select the first index picture from the movie. Then press the OK button.

∴ : Go to the first movie picture.

> : Advance one frame at a time

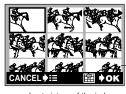
∃ : Back one frame at a time

- When the last picture is selected, all other pictures will be automatically inserted.
- The total time and end time of the movie are displayed on the left.
- When the first movie picture is fixed with the OK button pressed, the selection frame moves to the last image.
- Press the Arrow pad (see Step 5 above) and select the last picture of the index from the movie. Refer to Step 5 for how to use the Arrow pad.
 - The first picture is retained, while the rest of the pictures are automatically inserted.
 - When you press the Menu button, you return to the first picture.

When the last picture is selected, press the OK button.

 The index pictures are stored on the card and the display disappears from the Menu screen.





Last picture of the index -





DISPLAY—processing pictures (cont.)

Note:

- Indexes cannot be created on the cards listed below.
 - Protected cards
 - Cards that warn you when the card has inadequate memory in the recording mode.

■ Movie Editing

You can select the scenes you want and record them together as a new movie.



- Press the Arrow pad and display a picture with

 attached.
- 2 Press ≡.
 - The Menu screen appears.
- **3** Press △ ▽ and select "FUNCTION", then press ▷.
- **4** Press △ ▽ and select "MOVIE EDIT", then press the OK button.
- Press the Arrow pad and select the first index picture from the movie. Then press the OK button.
 - \wedge : Go to the first movie picture.
 - ∇ : Go to the last movie picture.
 - > : Advance one frame at a time
 - ∃ : Back one frame at a time





- Press the Arrow pad (See 5 above) and display the last picture. After confirming it, press the OK button.
- - "NEW" lets you save the edited pictures as a new picture with a different name.
 - "ERASE" lets you save the edited pictures keeping the same name.
 The previous pictures are overwritten
- Press the OK button.
 - The pictures are written to memory, and the display disappears from the Menu.









- Indexes cannot be created on the cards listed below.
 - Protected cards
 - Cards that warn you when the card has inadequate memory in the recording mode.
- You cannot save pictures on a writeprotected card.

Function Settings for Easier Camera Operation ~ MODE SETUP

To make camera operation easier, you can set your preferences for monitor brightness, focal length measurement units, the camera control sound, etc.

Mode Setting Menu

Item	Description	Initial Setting		
ALL RESET (P.148)	Returns all setting to default settings.	ON		
(P.152)	Set the level of picture sharpness	NORMAL		
TIFF *1, *2 (P.153)	Select image size in TIFF.	1600 x 1200		
SQ *1, *2 (P.154)	Select image size and quality in SQ mode.	640 x 480 (NORMAL)		
•))) (P.156)	Adjust the volume of the sound produced by each camera control.	HIGH		
AF ILLUMINATOR*1 *2 (P.157)	Select AF assist lamp ON/OFF.	ON		
REC VIEW *2 (P.158)	Select whether or not the recorded image is displayed.	OFF		
SLEEP (P.159)	Set the duration of time after the last action before the camera goes to sleep.	1 MIN		
FILE NAME *2 (P.160)	Specify how to record file names on the card.	RESET		
(P.163)	Adjust the brightness of the Monitor and viewfinder.	+		
(P.54)	Date setting	-		
m/ft *2 (p.164)	Set the focal length measurement units.	m		
*3 (p.165)	Sets the number of picture displayed on the screen at one time.	9		

^{*1} During movie recording (with the Mode dial set to 🏖), mode setting does not appear in the menu screen.

Note:

 When resetting with the power switch, everything except date is set back to the initial setting (P. 58).

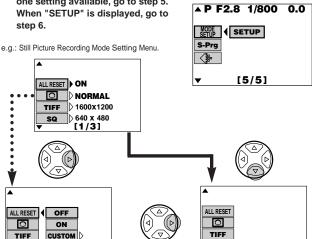
^{*2} When displaying (with the Mode dial set to), mode setting does not appear in the menu screen.

^{*3} This menu is only available when displaying a picture.

How to use the Mode Setting Menu Screen

2, 4

- Press **Ⅲ**. The Menu screen appears.
- Press △ ▽ on the Arrow pad and select "MODE SETUP", then press > to select "SETUP".
- Press the OK button. The Mode Setting screen appears.
- Press △ ▽ and select the item you want to set, then press >. If the selected item has more than one setting available, go to step 5.



e.g.: Go to Step 5 when choosing the ALL RESET setting.

[1/3]

e.g.: Go to Step 6 when choosing the SQ setting.

SETUP

Still picture recording menu

Function Settings for Easier Camera Operation ~ MODE SETUP (Cont.)

5 When the selected item has more one setting available

Press \triangle ∇ to select the setting item, then press the OK button to set it. Go to step 7.

When "ALL RESET" — "CUSTOM" is selected.

- Press >. The Custom setting screen appears.
- **2** Press $\triangle \nabla$ and select the desired item and press \triangleright .
- Press △ ▽ to select "RESET ON" or "RESET OFF" and then press the OK button. Continue doing this for all other desired items. Press the OK button again after all the items are set. Then, go to step 7.

Custom setting screen RESET ON RESETOFF METERING [1/5]

- When "SETUP" is displayed.
 - Press the OK button.
 - ② Press △ ▽ and select the setting item.
 - When the selected setting has only one option

 Press the OK button. The Mode.

setting screen comes back on.

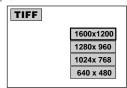
When the selected setting has

When the selected setting has more than one option.

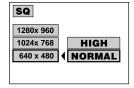
Press \triangleright and press $\triangle \nabla$ to select the setting option, then press the OK button. The Mode setting screen comes back on.

7 Press the OK button.

 The setting is stored and the Menu screen disappears. The normal screen is restored. When the selected setting has only one option



When the selected setting has more than one option



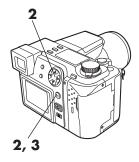
Note:

 When storing the setting, make sure you press the OK button and return to the Mode Setting screen.

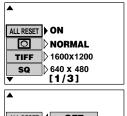
Resetting the Camera's Settings When Turning it off – ALL RESET

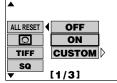
Before turning off the power, set "OFF" to save the current settings. This will allow you to use the current settings again when the power is turned back on.

- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- 2 Press △ ▽ on the Arrow pad to select "ALL RESET", then press ▷. Press △ ▽ to select the items you want to set. Press the OK button to set the selected items.
 - CUSTOM: Please refer to P.150.
 - ON: The initial default settings will be restored when the camera is turned back on after being turned off. (P.149)
 - **OFF:** Your current settings will be saved, even after the power is turned off.
- **3** Press the OK button repeatedly until the menu disappears.



Still picture record mode setting menu





Note:

These settings remain in effect until they are changed.

When you select "ON", following items will be reset to their default settings when the camera is turned on again after the power is turned off.

Setting	Initial setting	
Flash (P.106)	Auto	
Flash intensity control (P.109)	±0	
Metering mode (P.100)	ESP	
Macro mode (p.90)	Normal	
Multi metering (p.132)	OFF	
Drive (P.117)	Single-picture shooting	
BKT (Auto bracket) setting (P.102)	±1, 3 shots	
Stabilization system (P.97)	ON	
Zoom (P.71)	Wide	
Digital Zoom (P.98)	OFF	
Aperture setting (P.87)	F2.8	
Shutter speed setting (P.88)	1/60	
Exposure compensation (P.99)	±0	
White balance (P.134)	Auto	
ISO sensitivity (P.101)	Auto	
Slow shutter synchronization	OFF	
flash (P.110)		
AF mode (P.96)	iESP	
Full-time AF (P.95)	OFF	
Focus mode (P.94)	AF	
INFO (Image information display) (P.28)	ON (Only certain displays)	
Function mode (P.137)	OFF	
S-Prg mode (P.86)	Portrait	
Still sound record mode (P.122)	OFF	
Movie sound record mode (P.122)	ON	
Still image quality mode (P.104)	HQ	
Movie image quality mode (P.104)	HQ	

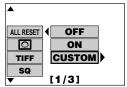
Resetting the Camera's Settings When Turning it on – ALL RESET – CUSTOM

Settings such as Zoom and Aperture can be preset so that they will be automatically ready when the power is turned on.

- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- 2 Press △ ▽ on the Arrow pad to select "ALL RESET", then press ▷. Press △ ▽ to select "CUSTOM", then press ▷.
 - Custom setting screen will be displayed.
- Press △ ▽ to select items you want to set (see items that can be set by "CUSTOM", P.151), then press ▷.



Still picture record setting menu



Custom setting menu

A	
FLASH MODE	RESET ON
\$*/	RESET ON
	RESET ON
*	RESET ON
MULTI METERING	RESET ON
▼	[1/5]

↑ Press △ ▽ to select "RESET ON" or "RESET OFF", then press the OK button.

• Repeat steps 2, 3, and 4 if there are other settings you want to change.

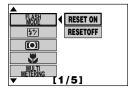
5 Press the OK button repeatedly until the menu disappears.

• The settings in "CUSTOM" will be saved even if you select settings other than "CUSTOM" in "ALL RESET".

Items that can be selected in "CUSTOM"

- Flash
- Flash intensity control
- Metering mode
- Macro mode
- Multi metering
- Drive
- BKT setting
- Stabilization system
- Zoom
- Digital zoom
- Aperture
- Shutter speed Exposure compen-
- sation

- White balance
- ISO sensitivity
 - Slow shutter synchronization flash
 - AF mode
 - Full-time AF
 - AF/MF
 - INFO
 - Function
 - Still sound record mode
 - Movie sound
 - record mode
 - S-Prg mode
 - Still image mode
 - Movie image mode



★★ When setting "RESET ON"

Restores the initial default settings as shown on the chart on p.149.

Note:

These settings will remain in effect until they are changed.

Setting Image Sharpness ~ 🖸

Selecting "NORMAL" will sharpen the outlines of images, making it ideal for printing. Selecting "SOFT" will make outlines softer. Selecting "HARD" will emphasize the outlines of images so that the images themselves will be clear and crisp. Adjust it to suit your needs.

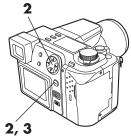


- Display the mode setting screen

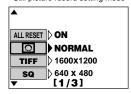
 → See "How to use the Mode
 Setting Menu Screen 1 ~ 3" (P.145).
- 2 Press △ ▽ on the Arrow pad to select " □ ", then press ▷. Press △ ▽ again to select the items (see below) you want to set. Then, press the OK button to set your selections.

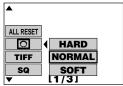
Items: HARD, SOFT, NORMAL.

3 Press the OK button repeatedly until the menu disappears.



Still picture record setting mode

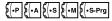




[•] These settings will remain in effect until they are changed.

Setting Picture Size for TIFF Recording ~ TIFF

When setting a picture size for TIFF recording, we recommend that you select a large size if you plan to enlarge the picture for display or printing. The picture size you select is applied when shooting in TIFF. (P. 104)

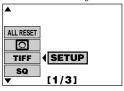


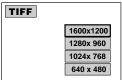
- Display the Mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- 2 Press △ ▽ to select "TIFF", then press ▷. "SETUP" will be displayed. Press the OK button.
 - The picture size setting screen appears.
- 3 Press △ ▽ and select your preferred picture size, then press the OK button.
 - Select a picture size from 1600 x 1200, 1280 x 960, 1024 x 768 or 640 x 480.
- 4 Press the OK button and the mode setting screen disappears.
 - The Menu screen appears.
- 5 Set the recording mode to "TIFF" on the Menu screen.

 → See "How to use the Mode Setting Menu Screen 2 ~ 3" (P.104).



Still Picture Recording Menu

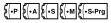




- The setting remains in effect until it is changed again.
- Note that the higher the quality of image, the longer it takes to record and display, and the fewer the number of images that can be taken.

Picture Size and Quality in SQ Mode/Setting the Picture Quality \sim SQ

You can set both picture quality and size in SQ mode. With "NORMAL", more pictures can be stored, while with "HIGH", noise generated in JPEG compression can be reduced.



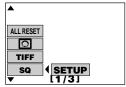
- Display the Mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- 2 Press △ ▽ to select "SQ", then press ▷. "SETUP" will be displayed. Press the OK button.
 - The picture size setting screen appears.
- 3 Press △ ▽ and select a picture size, then press ▷ to go to the SQ mode.
 - See the table below for selectable picture sizes.

SQ Mode

	Pic	ture Quality	Picture Size	File Format
	SQ	HIGH	1280 x 960	JPEG
		NORMAL		
		HIGH	1024 x 768	
		NORMAL		
		HIGH	640 x 480	
		NORMAL		

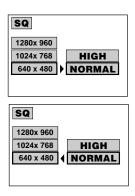


Still Picture Recording Menu



- Press △ ▽ and select "HIGH" or "NORMAL", then press the OK button to confirm the setting.
- **5** Press the OK button and the mode setting screen disappears.
 - The Menu screen appears.
- 6 Set the picture quality to "SQ" on the Menu screen.
 - → See "How to use the Mode Setting Menu Screen 2 ~ 3" (P.104).





- The setting remains in effect until it is changed again.
- Note that the greater the number of pixels, the longer it takes to record and display, and the fewer the number of pictures that can be taken. (P.63)

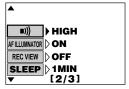
Change the Camera Warning Sound Volume ~ II)

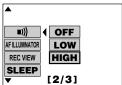
Set the volume of the beep sound, or turn off the sound.

- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- 3 Press △ ▽ and select an item you like to set. Press the OK button and confirm the setting. Setting Items: OFF, LOW, HIGH
- 4 Press the OK button repeatedly until the menu disappears.



Still Picture Recording Mode Setting Menu





[•] The setting remains in effect until it is changed again.

Setting the Focus Illumination ~ AF ILLUMINATOR

The AF assist lamp provides additional illumination when the subject is dark. It always operates by default, but you can disable it (OFF).

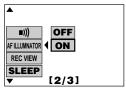


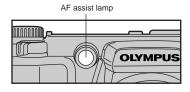
- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- **2** Press \triangle ∇ on the Arrow pad and select "AF ILLUMINATOR", then press \triangleright .
- **3** Press △ ▽ and select "ON" or "OFF", then press the OK button to confirm the setting.
- 4 Press the OK button repeatedly until the menu disappears.



Still Picture Recording Mode Setting Menu





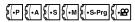


Note:

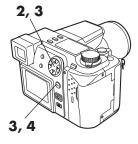
• The setting remains in effect until it is changed again.

Displaying the Image During Recording ~ REC VIEW

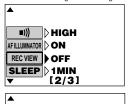
Selects whether or not the picture will be displayed on the monitor during recording.

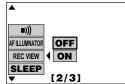


- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- **2** Press △ ▽ on the Arrow pad and select "REC VIEW", then press ▷.
- 3 Press △ ▽ and select "ON" or "OFF", then press the OK button to confirm the setting.
 - ON: Displays the image on the Monitor or Viewfinder while it is being recorded to help you check the recording process.
 - OFF: Displays the image that the camera is aimed at on the Monitor or Viewfinder. Images being recorded to the Card will not appear on the Monitor or Viewfinder during the recording process
- 4 Press the OK button repeatedly until the menu disappears.



Still Picture Recording Mode Setting Menu





Setting the Times for Power Saving Mode ~ SLEEP

The camera will automatically switch to Power Saving Mode (SLEEP) if the time you set has passed with no operations. This function can be disabled (OFF).

Time settings can be selected for Record mode (P. A. S. M. S-Prg. ♣) and Display mode (►) separately.

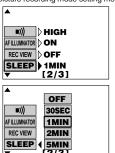
- Display the mode setting screen -See "How to use the Mode Setting Menu Screen 1~3" (P.145).
- **2** Press $\triangle \nabla$ to select "SLEEP", then press \triangleright .
- 3 Press △ ▽ to select a time setting (see below), then press the OK button to set your selection.

 Time Settings: OFF. 30SEC. 1MIN.

 2MIN. 5MIN.
- 4 Press the OK button repeatedly until the menu disappears.



Still picture recording mode setting menu



- Time settings cannot be set for Record mode and Display mode simultaneously. Set the time for each mode separately.
- Time settings remain in effect until you change them.
- "SLEEP" will not work when using an AC adapter.
- If a Slide-Show is displayed for more than 30 minutes, the camera will automatically go to sleep.

Selecting the File Numbering System ~ FILE NAME

You can select the file numbering system for images transferred to a personal computer. Files can be numbered from 0001 to 9999 and folders can be numbered from 100 to 999.

■ About the File No. and Folder No.

The file number and folder number used for each image are expressed as shown.

*Month: Jan. ~ Sep. = 1-9, Oct. = A, Nov. = B, Dec. = C

■ The File No. and Folder No. in Each Mode

RESET

When RESET is selected, the file number and folder number will be reset every time a card is inserted in the camera.



AUTO

When AUTO is selected, the same folder number and a continuing number from the last file number of the last card will be used, so that the same file number will not be used for pictures taken together and saved in multiple cards.



When images are transferred to a computer...

- Even when pictures are stored in multiple cards, a different file number will be used for each. This will continue until 9999, when numbers will start over again at 0001.
- For convenience, the folder numbers remain the same when transferred to a computer.

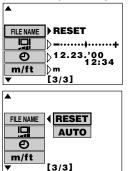
Selecting the File Numbering System ~ FILE NAME (Cont.)



- Display the mode setting screen -See "How to use the Mode Setting Menu Screen 1~3" (P.145)
- **2** Press △ ▽ on the Arrow pad to select "FILE NAME", then press ▷.
- 3 Press △ ▽ to select "AUTO" or "RESET", then press the OK button to confirm the setting.
- 4 Press the OK button repeatedly until the menu disappears.



Still picture recording mode setting menu



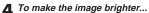
- When a card is used with a first file number larger than the last one in the previous card, file numbers will continue from the larger number.
- When the maximum file number (9999) of the maximum folder number (999) is reached, the number of storable pictures becomes 0, even if the card is not full yet. No more pictures can be taken.
- Settings will remain until you change them.

Adiusting the Brightness of the Monitor $hicksim \square$



Adjusting the brightness of the Monitor and Viewfinder to your preferences. The brightness of each can be adjusted separately.

- Press to display the Monitor or Viewfinder, depending on which one you want to adjust.
- Display the mode setting screen -See "How to use the Mode Setting Menu Screen 1~3" (P.145)
- **?** Press $\triangle \nabla$ on the Arrow pad to select " \square ", then press \triangleright . "SETUP" will be displayed. Press the OK button.
 - The brightness setting screen will appear.



Press ▷ so that the cursor moves toward +

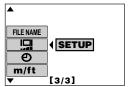
To make the image darker ...

Press < so that the cursor moves toward -

- 5 Press the OK button to confirm your settings.
- A Press the OK button repeatedly until the menu disappears.



Still picture recording mode setting menu



Brightness setting screen



Note:

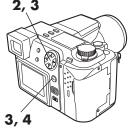
Settings will remain in effect until you change them.

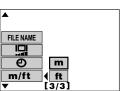
Selecting Meters or Feet as a Measurement Unit ~ m/ft

In the Manual focus mode (P.94), you can select either meters or feet. (In the Macro mode, these are replaced by centimeters or inches respectively.)



- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- **2** Press △ ▽ on the Arrow pad and select "m/ft", then press ▷.
- 3 Press △ ▽ and select "m" or "ft", then press the OK button to confirm the setting.
- 4 Press the OK button repeatedly until the menu disappears.





Still Picture Recording Mode Setting Menu

The setting remains in effect until it is changed again.

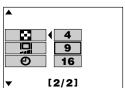
Setting the Number of Pictures to Display in the Index ~ ■

When displaying pictures, you can increase the number of pictures displayed on the monitor by moving the zoom lever to W. 4-, 9-, or 16-image displays can be selected.



- Display the mode setting screen. → See "How to use the Mode Setting Menu Screen 1 ~ 3" (P.145).
- Press △ ▽ on the Arrow pad and select " ☐ ", then press ▷.
- 3 Press △ ▽ and select "4", "9" or "16", then press the OK button to confirm the setting.
- 4 Press the OK button repeatedly until the menu disappears.





Still Picture Recording Mode Setting Menu.



9-divided index display

- If there is no data on the card, the Menu screen does not appear.
- The setting remains in effect until it is changed again.

6

PRINT SETTINGS

- Recorded images can be printed out with a printer.
- Selected images can be reserved in a SmartMedia card for printing on a printer or at a photo lab that supports the DPOF (Digital Print Order Format) system.

About Print Settings

You can make prints of images stored in a SmartMedia, using one of the following methods:

- Images in the SmartMedia can be selected for printing, as well as the number of copies for each and whether or not to print the date and time with them. This information is saved in the card (Print-reserve) for later printing from a printer or at a photo lab that supports DPOF.
- If a SmartMedia with Print-reserve data recorded in it is inserted into an Olympus CAMEDIA P-400/P-330N printer, printing can be performed at the touch of a button. For more information, consult your printer's user manual.
- Images can be transferred directly to a personal computer via USB or a PC connection kit, or by using an optional FlashPath, PC Card Adapter or USB SmartMedia Reader/Writer. Images can then be printed on a printer connected to the personal computer using a software application. For more information, consult the software's user manual.

About DPOF

DPOF (Digital Print Order Format) is a system that allows you to select images in a SmartMedia card to be printed as well as the number of copies to make of each. This information is stored in the card for use by printers or photo labs that support this system to make prints automatically.

- Images taken with this camera can also be printed using a printer or at a photo lab that supports the Design rule for Camera File system/DCF.
- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- Even if an image appears with the message "PICTURE ERROR", print reserve may be performed on it. In such a case, the print reserve icon (☐) does not appear on the screen where an image is displayed for full view. Since ☐ appears on the screen where multiple images are displayed (index-display mode), it is possible to confirm the print reserve status.
- This camera cannot be directly connected to printers such as the Olympus P-300 digital printer.
- Not all functions may be available on all printers or at all photo labs.

PRINTING ALL FRAMES STORED IN A CARD~ ALL-FRAME PRINT RESERVE

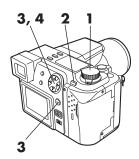
Print reserve

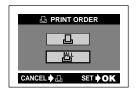
This allows you to store the data needed to make prints of your photos on a printer or at a lab that supports this system.

All-frame print reserve allows you to store print data for all the pictures on the card, as well as allowing you to choose how may prints you want.

- Set the Mode dial to

 to display a still picture.
 - Print reserve cannot be performed for a picture displayed with \(\frac{\text{\ti}\text{\texi}\text{\tex{\text{\text{\text{\text{\texit{\text{\texi}\text{\texit{\texi{\texi}\texi{\texi{\texi{\texi{\texi{\texi{\texi\texi{\texi{\texi}\
- 🤈 Press 🖟 .
 - The Print reserve setting screen is displayed.
 - If Print reserve data is already stored on the card, a screen will appear giving you the choice of resetting the data or keeping it. (P. 178)
 - The buttons are disabled during close-up display. (P. 126)
- Press △ ▽ on the Arrow pad to select ♣, then press the OK button.
 - The print number and date setting screen are displayed.
- **4** Press $\triangle \nabla$ to select $\triangle \times$, then press $\triangleleft \triangleright$ to enter the number.
 - : Decreases the number.
 - >: Increases the number.
 - The number of prints can be set from 0 to 10.





- 5 Press △ ▽ to select (②), then press ⊲ ▷ to select DATE or TIME.
- Press the OK button.
 - The Menu screen disappears and the picture reappears. The print reserve indicator and the number of prints are displayed.

★★If ☐ print reserve indicator is not displayed

Although you can use Print reserve with pictures protected with the Protect function, it cannot be used on pictures stored on a write-protected card.





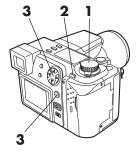
- The setting will remain until it is readjusted.
- If you are printing using the P-330N, only the first 999 images can be printed.
- Print reserve may take considerable time in some cases.

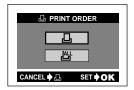
PRINTING SELECTED FRAMES~ SINGLE-FRAME PRINT RESERVE

Single-frame print reserve

This allows you to store print data for specified pictures.

- Set the Mode dial to ► to display a still picture.
 - ullet Print reserve cannot be performed for a picture displayed with Σ .
- **2** Press 🖟 .
 - The Print reserve setting screen is displayed.
 - If Print reserve data is already stored on the card, a screen will appear giving you the choice of resetting the data or keeping it. (P. 178)
- 3 Press △ ▽ on the Arrow pad to select 🕒 , then press the OK button.
 - The print reserve selection screen is displayed.





Press the Arrow pad to select the picture you wish to print.

- : Displays the picture in the previous frame.
- Displays the picture in the next frame.

- forward.

 To display an index of pictures, press the Zoom lever to W.

 - ⇒ : Moves to the next frame.
 - \triangle : Displays the previous page.
- The number of pictures shown in the Index-Display mode depends on the Index-Display mode setting (P. 165).
 - 4-frame setting: 2 frames, 9-frame setting: 6 frames, 16-frame setting: 12 frames
- When the number of prints has already been set for the selected pictures, the previously set number is displayed.
- To set the Trimming print reserve, press the Zoom lever toward T (P. 175).

Press the OK button.

- **6** Press $\triangle \nabla$ to select $\square x$, then press $\triangleleft \triangleright$ to enter the number.

: Decreases the number.

: Increases the number.



Print order setting screen

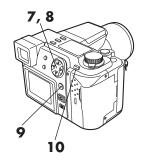


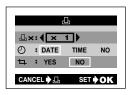


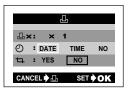


PRINTING SELECTED FRAMES~ SINGLE-FRAME PRINT RESERVE (cont.)

- **7** Press △ ▽ to select (②), then press ⊲ ▷ to select DATE or TIME.
 - When Print reserve has been performed for a picture without date/time settings (P. 54), you cannot select DATE and TIME in this step.
- 8 Press △ ▽ to select (to TRIMMING), then press ⊲ ▷ to YES or NO.
 - If trimming is not set, YES cannot be selected. Refer to "Trimming print reserve" for setting trimming (P. 175).
- Press the OK button to complete the setting.
 - The Menu screen disappears and the picture reappears. The print reserve indicator and the number of prints are displayed.
 - To perform Print reserve for more pictures, repeat steps 4 through 9.
- 10 Press 🖟.
 - The screen exits the Print reserve mode and returns to the Display mode







Note

- The setting will remain until it is readjusted.
- If you are printing using the P-330N, only the first 999 images can be printed.
- Print reserve may take considerable time in some cases.

PRINTING AN ENLARGED PART OF A PICTURE~ TRIMMING PRINT RESERVE

You can print an enlarged part of a recorded picture.

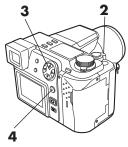
- Perform steps 1 through 4 of "Printing selected frames-Singleframe print reserve" (P. 172/173).
 - The print reserve selection screen is displayed.
- Press the Zoom lever toward T.
 - The trimming mode screen is displayed and the selected cursor is displayed in green.
- 3 Press the Arrow pad or Zoom lever to move the cursor to set the top-left corner portion of the desired picture.

△ ▽ : Moves up/down.

Toward W: Moves to the top left corner.

Toward T: Moves to the bottom right corner.

4 When the position is set, press the OK button.







Trimming mode screen

PRINTING AN ENLARGEMENT OF A PICTURE~ TRIMMED PRINT RESERVE (cont.)

Press the Arrow pad or Zoom lever to move the cursor to set the bottom right corner of the desired picture.

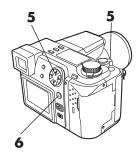
△ ▽ : Moves up/down.

Toward T : Moves to the bottom right corner.

 To change the already set position of the top left corner, press ☐.

6 When the position is set, press the OK button.

- The trimming size is set and displayed.
- To confirm the trimming size again, press the INFO button. The trimming size is displayed for approx. 1 second.







Displayed for approx. 1 second.

7 Press the OK button.

- The Single-frame print reserve screen is displayed.

8 When Print reserve is finished, press the OK button.

 The Print reserve is completed. The screen display returns to the one shown in step 1. To perform trimming print reserve for more pictures, select the desired pictures using the Arrow pad. → Singleframe print reserve (P. 172)





When setting is finished, the picture and frame are displayed for approx. 1 second, then the CANCEL/SET screen appears.

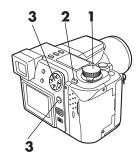
- The size of the printed image will vary depending on the print reserve settings. An image trimmed to a small size will have lower resolution.
- For best results with close-up prints, it is recommended to use the TIFF, SHQ or HQ mode.
- The vertical to horizontal ratio in the trimming screen can be changed using the Arrow pad, but if the zoom lever is used, the ratio is fixed at 4:3.

RESETTING PRINT RESERVE

This resets all the print reserve settings for images saved in a card.

- **1** Set the Mode dial to ▶ and display a still picture.
- → Press

 □
 - The Print order setting screen is displayed.
 - If there are no pictures on the card, this screen is not displayed.
- **3** Press ⊲ ⊳ to select RESET, then press the OK button.
 - To keep the print order, select KEEP and press the OK button.
 - To remove the selected image only, set the number of prints in Single-frame print reserve to 0.





Note:

 If RESET is selected, the print reserve will be canceled for all the images in the card.

TRANSFERRING PICTURES TO A COMPUTER

METHODS OF SAVING PICTURES ON A COMPUTER

Your computer can save pictures stored on a card. Once the image data is in your computer, you can take advantage of various image processing capabilities and use your images in publications, web sites, multimedia, etc.

Saving with the camera connected to a computer (P. 182)

Images stored on the card can be saved directly via the camera's USB connector or computer connector. To do this, you will need the following:

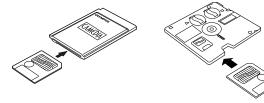
- Required cables
 - For USB connection → USB cable
 - For serial connection → Serial cable
- OLYMPUS CAMEDIA Master 2.0 required software to enable transfer to a personal computer

Important: OLYMPUS CAMEDIA Master 2.0 is required to process images shot with this camera.

Saving directly from a card

Card adapters enable you to save images on your personal computer without using any special software.

Personal computer type	Required card adapter
Personal computer equipped with 3.5" floppy disk-drive	FlashPath floppy disk adapter (optional)
Personal computer equipped with a PC card slot (PCMCIA) or an external PC card reader/writer	PC card adapter (optional)
Personal computer equipped with an USB port	SmartMedia Reader/Writer (MAUSB-2) (optional)



Important:

- Check for compatibility. The above devices may not function properly in some operating environments. Function may also be affected by the SmartMedia memory capacity.
- OLYMPUS CAMEDIA Master is not necessary to save pictures from a card.
 The pictures can processed as normal PC files, using any commercially available image processing application.

Note:

 Do not try to use a write-protected Smart Media on a computer as doing so will cause errors. Refer to the instructions of the adapter you are using for more details

CONNECTING DIRECTLY TO A COMPUTER BY CABLE

This section explains how to use the camera's transfer function and how to save pictures on a personal computer using CAMEDIA Master.

First, make sure you have a suitable cable to connect the camera to your personal computer and that CAMEDIA Master is installed on your computer.

Cable connection

Connect the camera to a personal computer (IBM PC/AT compatible, Apple Macintosh).

This camera is equipped with 2 transfer connectors.

If your computer is equipped with a USB interface and is running either are Windows 98/98 Second Edition/2000 Professional or Macintosh OS, you can transfer picture data via a USB cable.

If your personal computer is not equipped with a USB interface or is running Windows 95/NT4.0 or Macintosh OS, you can transfer data via a serial cable.

To connect this camera directly to a personal computer, it must have either a serial port or USB port.

Note:

 It is not possible to transfer data to a personal computer via a cable unless you use CAMEDIA Master 2.0 to capture pictures. For more details on using a USB connector, read "Computer Operating Environment" (P. 183).

Computer Operating Environment

Check your personal computer's operating environment.

Personal computers used with this camera must conform to the following minimum standards.

Windows

CPU : Pentium or later

OS : Windows 98/98 Second Edition/2000 Professional

(USB)

Windows 95/98/98 Second Edition/ 2000 Professional/NT 4.0 SP3 or later

Available HD space: 100MB or more

RAM : 32MB or more (64MB or more recommended)

Connectors : USB port (USB connection)

RS-232C port (serial connection)

D-SUB 9-pin connector (serial connection)

Monitor : Thousands of colors recommended

Minimum monitor

resolution : 800 x 600 pixels

Note:

 USB support is not available under the following environments, even for PCs equipped with a USB port.

Windows 98 upgrade (from Windows 95)

Windows 95 Windows NT 4.0

CONNECTING DIRECTLY TO A COMPUTER BY CABLE (cont.)

Apple Macintosh

CPU : PowerPC

OS : Mac OS 8.6 to 9 (USB)

Mac OS 7.6.1 to 9 (serial)

Available HD space: 100MB or more

RAM : 32MB or more (8MB or more free memory for the

included application)

Connectors : USB port

Serial port

Monitor : Thousands of colors recommended

Minimum monitor

resolution : 800 x 600 pixels

QuickTime 4.0 must be installed to play back movies.

Note:

For USB connection, your Macintosh must have a USB port.

Memo:

- To record or play back sound, a sound card and a microphone are required.
 To play back a movie, QuickTime 4.0 must be installed.
- Also refer to CAMEDIA Master's on-line manual for details.

Note:

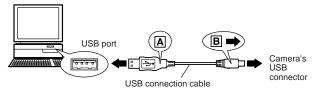
- If you are using a USB cable to make connections, make sure that your personal computer support it. Contact your personal computer maker concerning your personal computer's environment.
- Communications with a personal computer cannot be accomplished with a USB cable alone. Be sure to download images using CAMEDIA Master.
- If a USB connection is used, make sure that USB is operating normally on the personal computer. For more information, consult your personal computer's operation manual.

Connecting to your personal computer

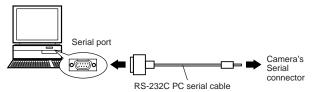
Use the appropriate connector according to your computer's specifications.

- Install CAMEDIA Master on your personal computer beforehand.
 - For installation, refer to the CAMEDIA Master installation guide or online manual.
- **9** Make sure the personal computer and camera are turned off.
- Connect to the personal computer.
 - Connection methods vary according to the type of cable you are using.
- For USB-equipped computers (IBM PC/AT compatible, Apple Macintosh)

Connect the USB cable to the USB port on your computer.



For serial port-equipped computers (IBM PC/AT compatible)
 Connect the RS-232C PC serial cable to the serial port (COM1, COM2, etc.) on your computer.

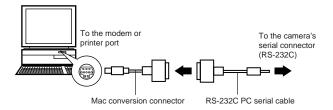


CONNECTING DIRECTLY TO A COMPUTER BY CABLE (cont.)

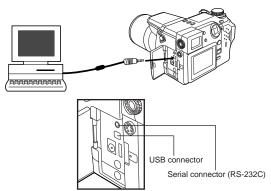
Apple Macintosh

Attach the Mac conversion connector to the computer's printer port or modem port.

Connect the RS-232C serial cable to the Mac conversion connector.



▲ Connect the cable to the camera's USB connector or serial jack.



 The first time you connect your camera to your personal computer with the USB connector, you will need the CAMEDIA Master CD-ROM to install a file transfer driver. To install the driver, be sure to read the CAMEDIA Master installation guide.

Turn on the computer.

Set the camera's Mode dial to ►.

7 Start CAMEDIA Master on the computer.

Note:

- If the camera is connected to the computer with the camera turned on, the camera may not function properly. When connecting to the computer, make sure the camera is turned off.
- When connecting to the computer, the buttons on the camera do not function.
- When the camera is connected to a TV or Personal computer, communication is not possible.
- In order to prevent battery consumption, use the AC adapter (optional).

CONNECTING DIRECTLY TO A COMPUTER BY CABLE (cont.)

Saving pictures using CAMEDIA Master

This section explains how to save pictures on your computer with CAMEDIA Master.

You can view pictures stored on a card on the computer and then save them on the computer.

- 1 Start CAMEDIA Master on the computer.
- 2 Click on [My Camera].





A thumbnail index of stored images will be displayed.

Place the cursor on the desired image and double-click on it.

This will open the selected image.





- Select [Camera] [Download All Images] on the menu bar.
 - The computer will start transferring images from the camera to the computer.



Note:

- You can view images using software such as graphics applications that support JPEG like Paint Shop Pro/Photoshop, Internet browsers like Netscape Communicator/Microsoft Internet Explorer, and CAMEDIA Master (Supplied with the camera). For more details, refer to the application's instructon manual.
- CAMEDIA Master also supports other camera settings (setting/ canceling Protect, erasing data, date/time settings and changing other settings). For operation, refer to CAMEDIA Master's on-line manual.

CAMEDIA Master features

CAMEDIA Master lets you capture, display, process and store pictures on a computer. For operation, refer to CAMEDIA Master's on-line manual.

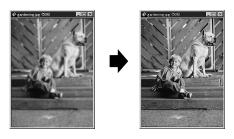
Making Dark Images Bright

Some images may come out darker than expected. You can try taking pictures again right after shooting, but may often miss the right moment for a good picture. This is where CAMEDIA Master Instant Fix comes in. You can easily brighten images.



Correcting Blurry Images

Backlight sometimes makes the whole image blurry, and an object which stands before the subject may be out-of-focus. Use CAMEDIA Master Sharpen when this happens to sharpen the whole image. However, you should note that it doesn't eliminate image blur completely.



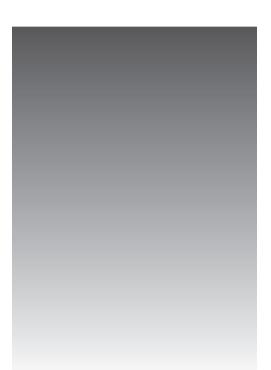
Composing Images with Templates

You can easily compose images with templates in CAMEDIA Master.



8

MISCELLANEOUS



TROUBLESHOOTING

Operating Problems

SYMPTOM		
The camera does not work.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
1) The power is OFF.	Set the Power switch to ON to turn on the power.	P. 58
② The batteries are loaded incorrectly.	Reload the batteries correctly.	P. 33
3 The batteries are exhausted.	Replace the batteries with new ones.	P. 33
The batteries are temporarily unable to function.	Neep the batteries warm while using the camera.	P. 19
Some in the second of the	Operate the camera as required.	P. 59
It is connected to a personal computer.	6 The camera will not operate while it is connected to a personal computer.	P. 187

SYMPTOM		
No picture is taken when the Shutter button is pressed.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
1 The flash has not finished charging.	Remove your finger from the Shutter button and wait until the flash charge mark stops blinking. Take your shot again.	P. 108
②The card access lamp blinks after shooting in the 🏖 mode.	The recorded movie image data is being written to the card. You can start shooting again when the card access lamp stops blinking.	
③ There is a problem with the card.	3 See the Error code chart.	P. 203

SYMPTOM		
No picture is taken when the	Shutter button is pressed.	
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
4 The card is full.	Replace the card, delete unwanted pictures or transfer the data to a computer and delete all of the pictures.	P. 40–42 P. 78 P. 180–189
⑤ The batteries ran out.	6 Replace the batteries with new ones.	P. 33
⑤ Indications disappear on the viewfinder/monitor or the control panel. On the control panel, the battery remaining power indicator will blink.	Replace the batteries with new ones. (Do not open the Battery compartment cover when the Card access lamp is blinking.)	P. 33
① The memory gauge is full.	Wait until there is room in the memory gauge.	P. 69
A write-protect adhesive seal is placed on the card or there is no card in the camera.	3 Insert a new card in the camera.	P. 40 P. 41
⑨ The Mode dial is set to ▶.	Set the mode dial to P, A, S, M, S-Prg or ₩.	P. 44

SYMPTOM		
The date recorded with the in	mage data is wrong.	
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
① The date was not set. ②The camera has been	Set the date. It is also possible to set the date via a personal computer using CAMEDIA Master. The clock adjustment is not factory-preset. Try setting the date again.	P. 54
left for approx. 1 week with the batteries removed and the date setting is canceled.		

TROUBLESHOOTING (Cont.)

SYMPTOM		
The flash does not fire.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
① The flash is pushed down. ② The subject is lighted. ③ The drive mode is set to BKT. ④ Panorama recording is taking place. ⑤ The Picture effect is set to WHITE BOARD/BLACK BOARD.	 Slide the Flash switch to raise the flash. Set the flash to Fill-In mode. Press the DRIVE button to set to the single-picture mode. Stop Panorama recording. The flash does not fire in the WHITE BOARD/BLACK BOARD mode. 	P. 72 P. 108 P. 107/108 P. 117 P. 135 P. 137

SYMPTOM			
Pictures you have already ta	Pictures you have already taken do not appear on the monitor.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE	
① The camera is in the Record Mode. ② There is no picture in the card. ③ There is a problem with the card. ④ The camera is	 Set the Mode dial to . NO PICTURE appears on the monitor. Record pictures. See the Error code chart. The monitor does not function 	P. 44 P. 124 P. 68–70 P. 203 P. 204 P. 76	
connected to a TV. The viewfinder is on but there is no display.	when the camera is connected to a TV. Tess to switch to the monitor.	P. 124	

SYMPTOM			
The viewfinder display is not	The viewfinder display is not clear.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE	
The diopter is not adjusted properly. The brightness is not adjusted properly.	 Adjust the diopter again. Adjust the brightness. It is possible to adjust the viewfinder and monitor independently. 	P. 64 P. 163	

SYMPTOM		
The monitor is not clear.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
The brightness is not adjusted properly. The monitor is exposed to direct sunlight.	Adjust the brightness. Block the sunlight.	P. 163

SYMPTOM

Image rotate, Image protect, Single-erase, All-frame erase and Card formatting cannot be performed.

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
A write-protect adhesive seal is affixed to the card.	Use the card after peeling off the seal. Do not reuse the write protect seal.	P. 43

SYMPTOM

When the camera is connected to a computer, an error message appears while data is being transferred to the computer.

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
1 The cable is not plugged in correctly.	Connect the cable correctly.	P. 182–187
② The power is OFF.	② Turn on the camera, then set the Mode dial to ►.	P. 187
③ The batteries are exhausted.	3 Replace the batteries with new ones or use the optional AC adapter.	P. 33–38
The serial port is not selected correctly.	Use the operating system software to make sure the serial port is selected correctly.	

TROUBLESHOOTING (Cont.)

Problems with Images

SYMPTOM		
The subject's eyes appear re	ed in pictures recorded with the flas	h.
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
① The flash is in the Auto- flash mode.	This "red-eye phenomenon" occurs with all cameras when a flash is used. It is caused by light from the flash reflecting off the retina at the back of the eye. Red-eye varies depending on the individual and the shooting conditions such as ambient lighting. Use of the Red-Eye Reducing Pre-Flash mode significantly reduces this phenomenon.	P. 107

SYMPTOM				
The picture is out of focus.				
POSSIBLE CAUSES CORRECTIVE ACTION		REF. PAGE		
1 The camera moved when the shutter button was pressed.	Hold the camera correctly, and press the shutter button.	P. 66 P. 67		
② The AF target mark was not on the subject.	Position the AF target mark on the subject, or use the focus lock.	P. 67 P. 93		
③ The lens is dirty.	3 Clean the lens with a soft dry cloth.	P. 201		
4 The subject was too close.	Set the camera to the Macro mode. The shooting distance varies according to the zoom setting.	P. 83 P. 90		
(§) The Shutter button was pressed while standing in front of the camera in the Self-timer mode.	Press the Shutter button while looking into the viewfinder, not while standing in front of the camera. Or, use the remote control.	P. 119–121		

SYMPTOM		
The picture is out of focus.		
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
(§) The Manual focus was used with the wrong focal range.	Use the right Manual focus for the distance.	P. 94
7 The subject was dark and the AF assist lamp was turned off.	Set the AF assist lamp to on.	P. 157

SYMPTOM			
The picture is too bright.			
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE	
① The flash mode was set to the Fill-in flash mode. ② The subject was excessively illuminated.	Select a flash mode other than the Fill-in flash mode. Use spot metering. Adjust the exposure compensation or change the camera position toward the subject.	P. 107 P. 99	

SYMPTOM				
The picture is too dark.				
POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE		
1 The flash was blocked by a finger.	Hold the camera correctly, keeping your fingers away from the flash.	P. 66		
② The subject was out of	2 Shoot within the flash working	P. 106		
the working range of the flash.	range. Or, use an external flash.	P. 112		
③ The flash mode was set to the Off mode.	3 Check the flash mode before shooting.	P. 107		
4 The subject was too	Set the flash to Fill-In mode.	P. 107		
small and was backlit.	Or, use the Spot metering mode.	P. 100		
③ The Sequence mode was used.	• Higher shutter speeds are used when the Sequence mode is selected which may result in pictures that are darker than usual.	P. 118		

TROUBLESHOOTING (Cont.)

SYMPTOM			
The colors of pictures taken	The colors of pictures taken indoors look unnatural.		
POSSIBLE CAUSES CORRECTIVE ACTION REF. PAGE			
1) The lighting fixture(s) affected the picture.	Set the flash mode to Fill-In.	P. 107	
2 The subject is mostly dark.	Include white in the image or adjust the white balance.	P. 134	
③ The white balance setting is wrong.	3 Adjust the white balance.	P. 134	

SYMPTOM			
The picture has obscured edge(s).			
POSSIBLE CAUSES CORRECTIVE ACTION REF. PA			
The lens was partly blocked by a finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	P. 66	

USER MAINTENANCE

After use

Be sure to turn off the power and attach the lens cap to the lens.

Cleaning the camera

- Set the Power switch to OFF.
- 2 Remove the batteries (P. 33/34). When using the AC adapter, unplug the AC adapter from the camera and the AC outlet. (P. 37)
- 3 Exterior.....Wipe gently with a soft cloth. To wipe off heavy dirt, soak the cloth in diluted mild soap and wring it well. Wipe off the camera with the damp cloth and then dry it with a dry cloth. If you have used your camera at the beach, use a cloth dampened with fresh water.

Monitor and viewfinder..... Wipe gently with a soft cloth.

Lens..... Blow dust off the lens with a blower brush (commercially available), then wipe gently with lens cleaning paper. When storing the camera for a long period, attach the lens cap to the lens.

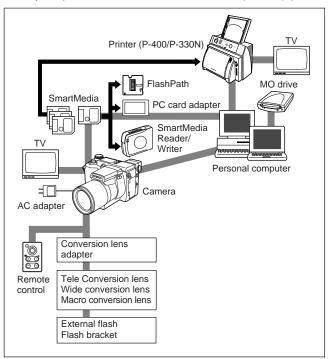
Card..... Wipe gently with a soft cloth.

Note:

- Do not use strong cleaning agents such as benzine or alcohol, or chemically treated cloth.
- Cleaning should be done only after the battery pack has been removed or other power supply units have been disconnected.
- Mold may form on the lens surface if the lens is left dirty.

CONNECTABLE DEVICES~System chart

A variety of capabilities are available when connected to optional equipment.



ERROR CODES

Error codes appear when there is a problem with the camera. Error codes displayed on the control panel will flash.

Control panel	Viewfinder/ monitor	Error content	Remedy
-11-	CARD COVER OPEN	The card cover is open.	Insert a card and close the cover.
	NO CARD	The card is not inserted, or it cannot be recognized.	Insert the card correctly. Insert a different card.
	CARD FULL	No more pictures can be taken.	Replace the card or erase unneeded pictures.
-P-	WRITE PROTECT	Writing to the card is prohibited.	If you are taking pictures, remove the write-protect adhesive seal.
	CARD ERROR	Cannot record, play back or erase pictures in this card.	If the card is dirty, wipe it with a clean tissue and insert it again. Or, format the card. If the problem is still not corrected, this card cannot be used.
(No display)	PICTURE ERROR	The recorded image cannot be played back with this camera.	Load the image using personal computer image processing software. If that cannot be done, the image file is partially damaged.

ERROR CODES (Cont.)

Control panel	Viewfinder/ monitor	Error content	Remedy
-F-	(Format confirmation screen)	The card is not formatted.	Format the card.
000	NO PICTURE	There are no pictures in the card, so there is nothing to play back.	Insert a card which contains images.
Ū	CARD FULL	There is no empty space in the card, so print data or sound cannot be recorded.	Replace the card or erase unneeded picrures.

OPTIONAL ITEMS

- Photo Printers For Olympus Digital Cameras
- AC Adapter
- Camera Case
- Standard SmartMedia Card (8/16/32/64MB)
- FL-40 external flash

- Flash bracket
- Bracket cable
- FlashPath Floppy Disk Adapter
- PC Card Adapter
- NiMH Batteries
- NiMH Battery Charger
- USB SmartMedia Reader/Writer

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

COMPATIBILITY OF THE PICTURE DATA

- Images taken by this camera may not be properly displayed or printed with other Olympus digital cameras.
- Images taken by other Olympus digital cameras may not be properly displayed or printed with this camera.

SPECIFICATIONS

Product type	Digital camera (for shooting and displaying)	
Recording System Still Sound with	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF)), TIFF (non-compression), Digital Print Order Format (DPOF)	
still images Movie	Wave format QuickTime Motion JPEG support	
Memory	3V (3.3V) SmartMedia 2MB, 4MB, 8MB, 16MB, 32MB, 64MB	
No. of storable pictures (When an 8 MB card is used)	Record without sound Approx. 1 frame (TIFF: 1600 x 1200) Approx. 5 frames (SHQ) Approx. 16 frames (HQ) Approx. 38 frames (SQ: 1024 x 768 NORMAL) Approx. 82 frames (SQ: 640 x 480 NORMAL)	
Erase	One-Frame erase / All-Frames erase	
Image pickup element	1/2 inch CCD solid-state image pickup 2,110,000 pixels (gross)	
Recording image	1600 x 1200 pixels (TIFF/SHQ/HQ) 1280 x 960 pixels (TIFF/SQ) 1024 x 768 pixels (TIFF/SQ) 640 x 480 pixels (TIFF/SQ)	
White balance	Full Auto TTL (iESP auto), Preset (Daylight, Overcast, Tungsten light, Fluorescent)	
Lens	Olympus lens 7.0 to 70.0, F2.8 to F3.5, 13 elements in 10 groups (equivalent to 38 to 380 mm lens on 35 mm camera), aspherical glass	
Photometric system	Digital ESP metering, Center-weighted averaging metering, Spot metering system	

Exposure control	Program auto exposure, Aperture priority auto exposure, Shutter priority auto exposure, Manual exposure, Night Scene program exposure
Aperture	W : F2.8 to 8.0 T : F3.5 to 8.0
Shutter speed Still	Used with mechanical shutter 1/2 to 1/800 sec. (16 to 1/800 sec. with manual setting)
Movie	1/30 to 1/10000 sec.
Working range	W: 23.6" to ∞ (No Macro mode) 3.9" to 23.6" (Macro mode) T: 6.5 ft to ∞ (No Macro mode) 3.25 ft to 6.5 ft (Macro mode)
Viewfinder	0.55" TFT color LCD display, approx. 114000 pixels
Monitor	1.8" TFT color LCD display
No. of monitor pixels	Approx. 114,000 pixels
On-screen display	Date/Time, Frame number, Protect, Recording mode, Battery check, Picture information, Printreserve, Menu, AF confirmation mark, Flash stand-by mark, AF target mark, etc.
Battery charging time for flash	Approx. 6 sec. (at normal temperature with new batteries)
Flash working range	W: Approx. 11.8" to 13 ft T: Approx. 3.25ft to 11 ft
Flash modes	Auto-Flash (automatic flash activation in low light and backlight), Red-Eye Reducing Flash, Fill-in Flash (forced activation), Off (no flash)
Autofocus	TTL system iESP autofocus, Spot autofocus, Contrast detection system
Focusing range Effective range of the	3.9" to ∞
AF assist lamp	11.8" to 9.75 ft
Self-timer	Electronic Self-timer with 12-sec. delay

SPECIFICATIONS (Cont.)

Outer connector	DC-IN jack, Serial connector (RS-232C), A/V OUT jack, USB connector (USB 1.0 compatible), 5-pin external flash socket, External microphone jack
Date and time	Recorded with picture data simultaneously
Automatic calendar system	Up to 2030
Power supply for calendar	Built-in lithium battery
Operating environment	
Temperature	32 to104°F (operation) - 4 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 NiMH batteries, NiCd batteries, alkaline batteries or lithium batteries. AC adapter (optional)
Dimensions	4-7/16" (W) x 3-1/16" (H) x 5-9/16" (D)
Weight	540g (without batteries/card)

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

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