

**Nikon**

**Lite•Touch Zoom 110**

**Lite•Touch Zoom 110 QD**

*Instruction Manual/Manual de instrucciones*

US ES

**English BEFORE YOU BEGIN**

Thank you for purchasing the Nikon Lite•Touch Zoom 110/Lite•Touch Zoom 110 QD. You now own a sophisticated, high-tech compact camera that not only offers point-and-shoot simplicity but also lets you apply creative techniques to your photography. To benefit fully from these advanced features, first read this manual thoroughly. Get to know the camera, including the symbols used for its control buttons and LCD panel. Keep this manual handy until you feel confident using the camera. This way, you can enjoy all the rewards of owning the Nikon Lite•Touch Zoom 110/Lite•Touch Zoom 110 QD.

Take trial shots before shooting at important occasions like weddings or graduations.

**For Lite•Touch Zoom 110 QD:** If you shoot pictures in the panorama format, be sure to read pp.100-101 before you have the film processed.

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**BASIC SHOOTING GUIDE**

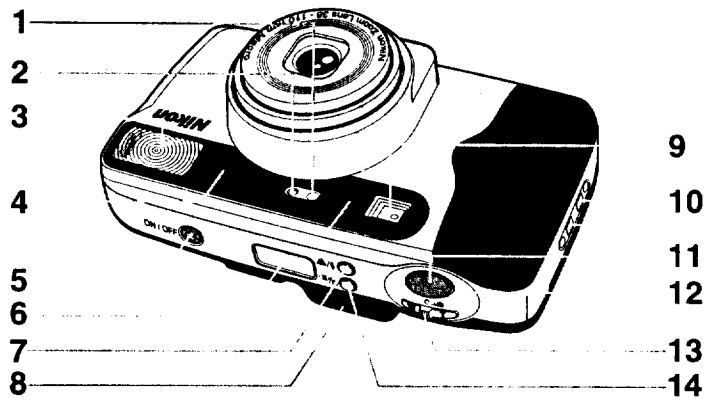
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## PREPARING THE CAMERA

## PREPARACIÓN DE LA CÁMARA

### En Nomenclature

#### Front view

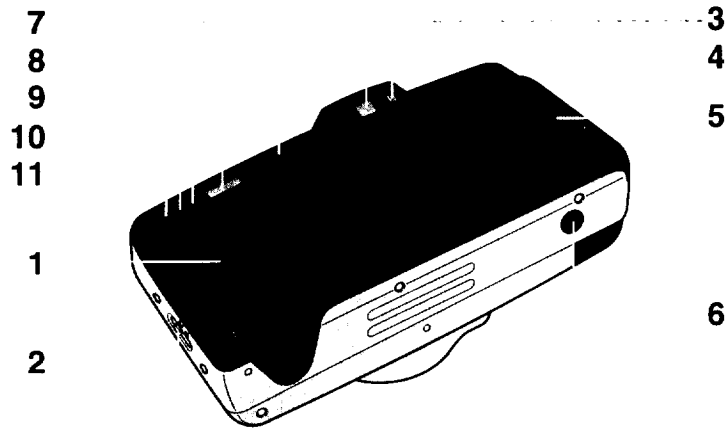
- 1 Red-eye reduction/self-timer indicator lamp
- 2 Auto exposure metering window
- 3 Flash
- 4 Autofocus window
- 5 Power switch
- 6 Multifunction LCD panel (p.10)
- 7 Flash mode/infinity focus button (pp.76, 82)
- 8 Diopter adjustment lever (p.48)
- 9 Viewfinder window
- 10 Wriststrap slot
- 11 Shutter release button
- 12 Mid-roll rewind button (p.58)
- 13 Zoom switch (p.42)
- 14 Red-eye reduction/self-timer button (pp.68, 72)

### En Nomenclature

#### Vista frontal

- 1 Lámpara de reducción de ojos rojos / indicador de temporizador automático
- 2 Sensor de medición de exposición automática
- 3 Flash
- 4 Sensor del enfoque automático
- 5 Interruptor de encendido
- 6 Pantalla LCD multifunción (p.10)
- 7 Botón de modo de flash / botón de enfoque infinito (pp.76, 82)
- 8 Palanca de ajuste de dioptría (p.48)
- 9 Ventanilla del visor
- 10 Ranura de correa de muñeca
- 11 Botón de disparo
- 12 Botón de rebobinado de rollos intermedio (p.58)
- 13 Interruptor de zoom (p.42)
- 14 Botón de reducción de ojos rojos / botón de temporizador automático (pp.68, 72)

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8

En

**Rear view**

- 1 Film cartridge confirmation window
- 2 Camera back lock-release lever
- 3 Viewfinder eyepiece
- 4 Red ready-light LED
- 5 Battery chamber lid
- 6 Tripod socket

**Lite•Touch Zoom 110 QD only:**

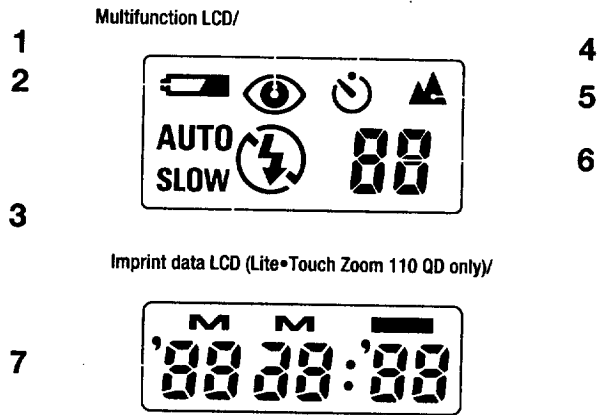
- 7 Panorama switch (p.50)
- 8 Imprint data LCD (p.10)
- 9 ADJUST button (p.22)
- 10 SEL (select) button (p.22)
- 11 MODE button (p.20)

En

- 2
- 3
- 4
- 5
- 6

7

- 8
- 9
- 10
- 11



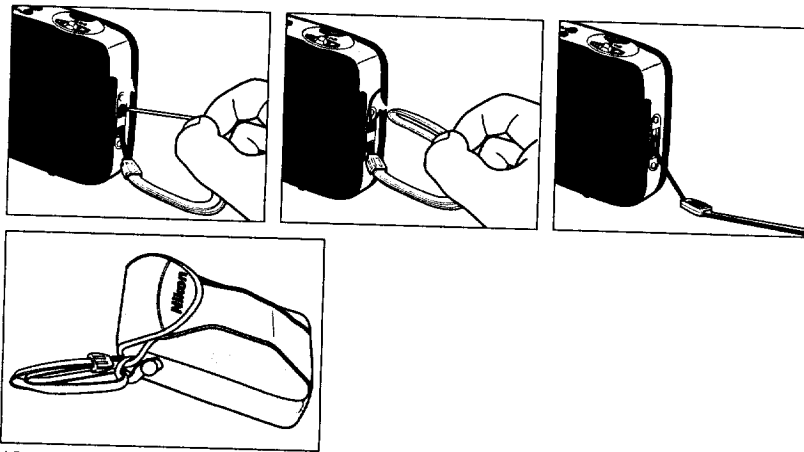
En

**LCD panel with all signs on display**

- 1 Red-eye reduction indicator
- 2 Insufficient battery power indicator
- 3 Flash mode indicator
- 4 Self-timer indicator
- 5 Infinity focus indicator
- 6 Frame counter

**Lite•Touch Zoom 110 QD only**

- 7 Imprint data (date and time)



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En

**ATTACH THE WRISTSTRAP**

Slide the strap through the slot as shown.

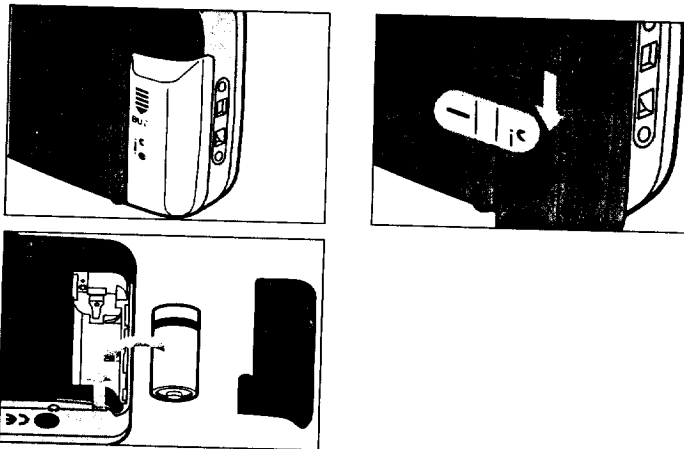
**Camera Case CS-L13 (option)**

This soft leather case is designed to protect your camera. Carry it around with the camera's wriststrap around the loop of the tab on the side of the case.

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3 (opcional)


13



14


**En** **INSTALL BATTERY/  
CHECK BATTERY POWER**

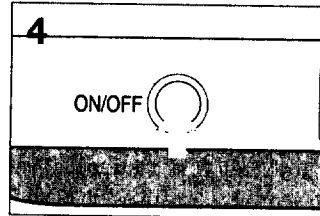
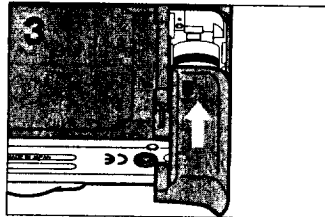
**For Lite•Touch Zoom 110 QD only:** When installing or changing battery, make sure to set/reset correct date and time. The same battery powers the camera and imprint data LCD; do not remove the battery unless changing it. See p. 20 for data setting.

- 1 Slide the battery chamber lid so  symbol on the lid is aligned with the line on the camera back.
- 2 Remove the battery chamber lid, and install one 3V lithium battery (CR123A type or DL123A) with the + and - marks oriented as indicated inside.

**En** **INSTALLARE LA BATTERIA/  
CONTROLLARE IL LIVELLO DI CARICA DELLA BATTERIA**

**Per Lite•Touch Zoom 110 QD solo:** Quando si installa o si cambia la batteria, assicurarsi di impostare/riimpostare correttamente data e ora. La stessa batteria alimenta la fotocamera e il display LCD per l'impronta dati; non rimuovere la batteria se non per sostituirla. Vedere la pagina 20 per impostare i dati.

- 1 Slidare il coperchio della camera della batteria in modo che il simbolo  sul coperchio sia allineato con la linea sulla parte posteriore della fotocamera.
- 2 Rimuovere il coperchio della camera della batteria e installare una batteria al litio da 3V (tipo CR123A o DL123A) con i segni + e - orientati come indicato all'interno.



**En**

**3** Reattach the battery chamber lid and slide it up into place.

- If you change battery with film loaded in the camera, make sure to press the shutter release button once. The film will advance by one frame without releasing the shutter to avoid double exposure.
- Note that the frame counter will show 1 instead of the previous frame number after changing battery with film loaded.

**4** Press the power switch to turn the camera on. The multifunction LCD comes on when the power is on. (For Lite•Touch Zoom 110 QD only: the imprint data LCD is always on.) To turn the camera off, press the switch again.

**Important!**

Replace the battery with a fresh one if the LCD appears dark or shows nothing, or when the blinking " " (insufficient battery power indicator) appears in the LCD panel. With Lite•Touch Zoom 110 QD, after changing the battery, don't forget to reset correct date and time.

**Important!**

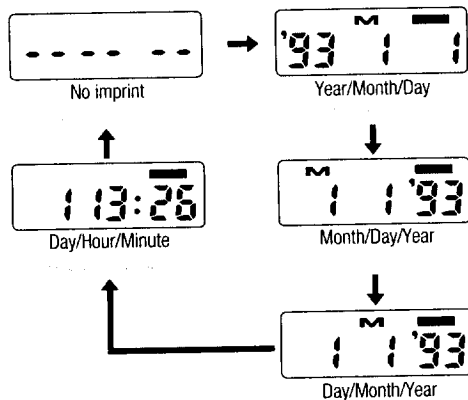
The lens will automatically retract to the wideangle position if you don't use the camera for approx. one minute after switching power on. Be sure to turn the power off when you finish using the camera; this helps conserve battery power.

**¡Importante!**

Reemplazar la pila con una nueva si la pantalla LCD aparece oscura o no muestra nada, o cuando aparece el indicador " " (insuficiente potencia de la pila) en el panel LCD. Con el Lite•Touch Zoom 110 QD, después de cambiar la pila, no se olviden de restablecer la fecha y la hora correctas.

**¡Importante!**

El objetivo de cámara automáticamente se retrae a la posición de ángulo amplio si no se utiliza la cámara durante aproximadamente un minuto después de encender la cámara. Asegúrese de apagar la cámara cuando termine de usarla; esto ayuda a conservar la energía de la batería.



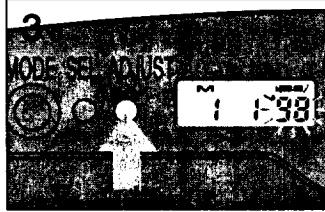
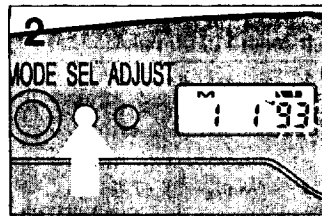
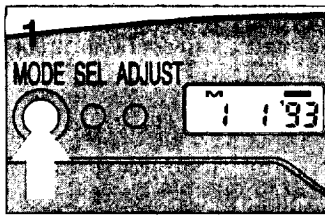
### En SET DATE AND TIME (Lite•Touch Zoom 110 QD only)

Check date and time in the imprint data LCD. If there is need to make any corrections, reset the display as shown in pp.22-29.

Select one of five displays by continuing to press the MODE button. Each press of the button changes the display in a set order.

**Important!**

Be sure to reset date and time after changing battery because the same battery powers both the camera and the data imprint function.



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**En**

Set year, month and day first; then set hour and minute.

**1** For example, to set March 30, 1998 choose Month/Day/Year by pressing the MODE button.

**To set year:**

**2** Press the SEL button. The year section starts blinking.

**3** Press the ADJUST button to set the correct year. To change numbers faster, keep the ADJUST button pressed for more than 2 seconds.

**Es**

Ajuste primero el mes, el día y el año, y después la hora y los minutos.

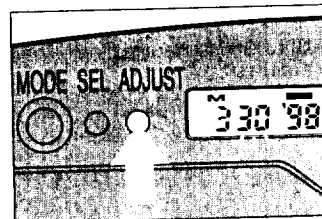
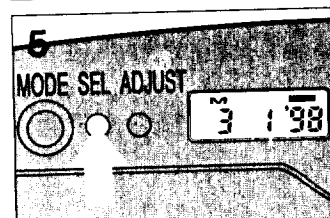
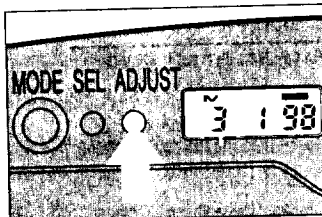
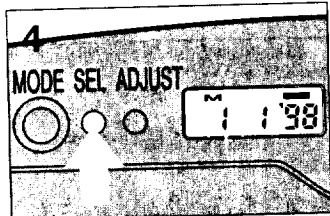
**1** Para ejemplo, para elegir el 30 de marzo de 1998, pulse el modo de ajuste y los botones de mes/día/año.

**Ajuste el año:**

**2** Pulse el botón de selección. El año comienza a destellar para ser editado.

**3** Pulse el botón de ajuste para ajustar el año. Para cambiar los números más rápido, mantenga pulsado el botón de ajuste por más de 2 segundos.

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**En**

**To set month:**

**4** Press the SEL button until the month section starts blinking, then press the ADJUST button to set the correct month.

**To set day:**

**5** Press the SEL button until the day section starts blinking, then press the ADJUST button to set the correct day.

**Es**

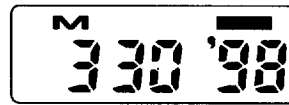
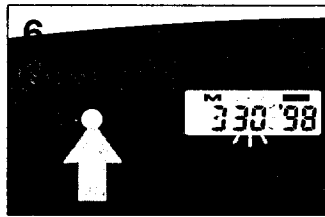
**Ajuste del mes:**

**4** Mantenga el botón de selección hasta que empiece a parpadear la parte del mes y oprima el botón de ajuste para seleccionar el mes correcto.

**Ajuste del día:**

**5** Mantenga el botón de selección hasta que empiece a parpadear la parte del día y oprima el botón de ajuste para seleccionar el día correcto.

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**En**

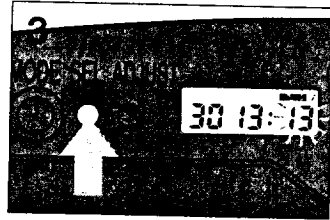
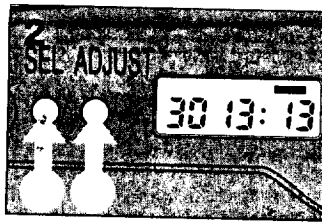
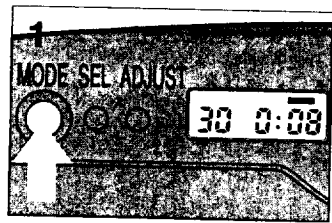
**6** To leave adjust mode and confirm if the display is correct, press the SEL button while the day display is blinking. The new data appears without blinking.

**Es**

**6** Para salir del modo de ajuste y confirmar que la información en la pantalla sea la correcta, presione el botón de selección cuando la parte del día esté parpadear. Los nuevos datos aparecerán sin parpadear.

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**En**

**To set Day/Hour/Minute:**

- 1 Choose Day/Hour/Minute display by pressing the MODE button.
- 2 Press the SEL button to select the section to be adjusted, then press the ADJUST button to set the correct time.
- 3 To leave the adjust mode, press the SEL button while the minute number is blinking.

**Es**

- Aju. el día/hora/minutos:**
- 1 Elija la indicación de día/hora/minutos y oprima el botón de modo.
  - 2 Oprima el botón de selección y seleccione la parte que desea ajustar y oprima el botón de ajuste para la hora.
  - 3 Para salir del modo de ajuste, oprima el botón de selección cuando el número de minutos esté parpadeando.

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Regular picture  
Fotografía con 3D



Panorama picture

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En

**Data imprint location**

Data may be difficult to read if it is imprinted on the subject or against a background colored white, orange or yellow, or if the light in the picture is too bright. Also, note that incomplete data may be imprinted or not at all, if you continue to shoot after finishing the film's prescribed number of frames.

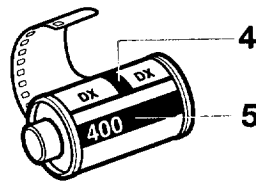
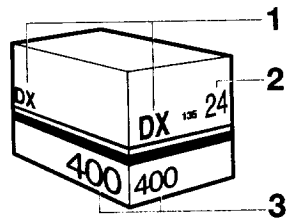
- The imprinted data may come out light with ISO 50 films.
- The imprinted data may come out blurred with ISO 1600 films.

Es

**Lugar de impresión de los datos**

Los datos pueden ser difíciles de leer si se imprimen sobre el sujeto o contra un fondo coloreado blanco, naranja o amarillo, o si la luz en la imagen es demasiado brillante. Además, tenga en cuenta que los datos pueden no imprimirse o imprimirse incompletamente si continúa disparando después de haber terminado el número de cuadros prescrito de la película.

- Los datos impresos pueden salir claros con películas ISO 50.
- Los datos impresos pueden salir borrosos con películas ISO 1600.



**En LOAD FILM**

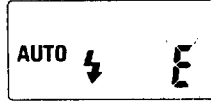
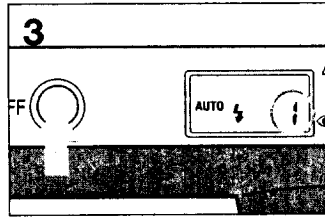
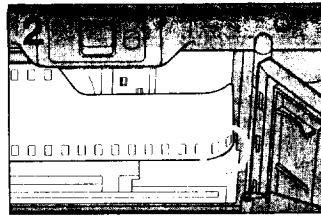
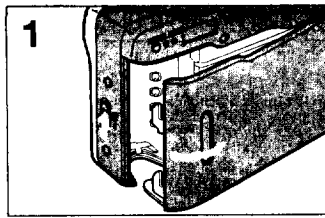
Be sure to use DX-coded 35mm film only. Load DX-coded film; the film speed is automatically set.

- 1 DX marks
- 2 Number of frames
- 3 Film speed
- 4 DX-code
- 5 Film cartridge

**Es COLOQUE LA PELÍCULA**

Use only DX-coded 35mm film. Load DX-coded film; the film speed is automatically set.

- 1 Marcas DX
- 2 Número de fotogramas
- 3 Velocidad de película
- 4 Código DX
- 5 Carrete de película



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**En**

- 1** Open the camera back and slip the film cartridge into the chamber. When loading/unloading film, be sure not to open the camera back in direct sunlight.
- 2** Pull the film leader across to the film leader position index and further insert the tip inside. Make sure there is no film slack, and close the camera back until it clicks shut.
- 3** Film automatically advances to the first frame. Turn the camera on and check if the frame counter shows "1." If the film is not properly installed, "E" blinks on the frame counter. Reload the film.

**En**

- 1** Aprire il coperchio della fotocamera e inserire il caricatore della pellicola nella camera. Quando si carica o si scarica la pellicola, assicurarsi di non aprire la fotocamera in luce diretta del sole.
- 2** Tirare il leader della pellicola verso l'indice della posizione del leader della pellicola e inserire ulteriormente la punta all'interno. Assicurarsi che non ci sia slacks della pellicola e chiudere il coperchio della fotocamera finché non si sente un click.
- 3** La pellicola avanza automaticamente alla prima inquadratura. Accendere la fotocamera e controllare se il contatore delle inquadrature mostra "1." Se la pellicola non è installata correttamente, "E" lampeggia sul contatore delle inquadrature. Ricaricare la pellicola.

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DX-coded film in use Pellicola DX-codificata in uso	Film speed to be set Velocità della pellicola da impostare
ISO 50, 64, 80	<b>50</b>
ISO 100, 125, 160	<b>100</b>
ISO 200, 250, 320	<b>200</b>
ISO 400, 500, 600	<b>400</b>
ISO 800, 1000, 1250	<b>800</b>
ISO 1600, 2000, 2500	<b>1600</b>

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En

### ISO film speed setting

Usable film speed range for DX-coded film is ISO 50 to 2500. With ISO 50, 100, 200, 400, 800 and 1600 films, the camera is automatically set to the exact film speed.

#### Important!

- For best results, use only DX-coded film.
- When non-DX-coded film is used, ISO film speed is automatically set to 100.
- If you're shooting with color slide film, use only those with the ISO film speed rating 50, 100, 200, 400, 800 or 1600.

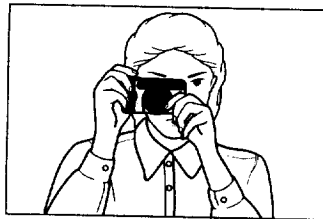
Es

El rango de velocidades de película usable para película con código DX es ISO 50 a 2500. Con películas ISO 50, 100, 200, 400, 800 y 1600, la cámara se establece automáticamente a la velocidad exacta de la película.

¡Importante!

- Para obtener los mejores resultados, utilice únicamente película con código DX.
- Cuando se utiliza película con código no DX, la velocidad de película ISO se establece automáticamente a 100.
- Si está utilizando película de diapositivas de color, utilice únicamente películas con una velocidad de película ISO de 50, 100, 200, 400, 800 o 1600.

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## BASIC SHOOTING GUIDE

### En HOLD THE CAMERA PROPERLY

Remember a picture may be spoiled by even slight camera shake, no matter what high-tech functions you're using. So always hold your camera steady when taking pictures.

**Hold the camera firmly:** Prop the elbow of the hand holding the camera against your body, then hold the camera with both hands to avoid camera shake. Be sure not to block the camera front, especially the lens and flash, with your finger, hair or the camera strap.

## GUÍA DE TOMAS BÁSICA

### Es SÚJETE CORRECTAMENTE LA CÁMARA

Las fotografías pueden verse arruinadas con el más ligero movimiento de la cámara, aunque cuente con los últimos adelantos de la tecnología. Mantenga la cámara estable para hacer sus fotografías.

**Sujete firmemente la cámara:** Apoye el codo de la mano que sujeta la cámara contra el cuerpo, sujete la cámara con ambas manos para evitar que se mueva. No coloque nada delante de la cámara porque puede tapar el objetivo y el flash con su dedo, cabello o la correa de la cámara.

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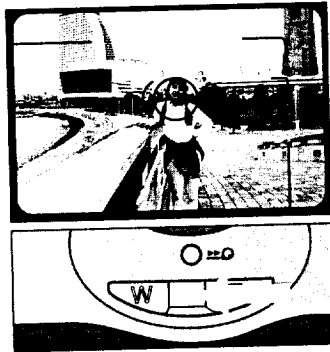
**Important!**

- 1) To prevent camera shake, be on the guard when using this ultra-compact and light camera, especially when pressing the shutter release button. Remember to depress it firmly but gently.
- 2) When holding the camera vertically, make sure the flash is on the right side at the top.

**¡Importante!**

Al usar esta cámara ultra-compacta y ligera, asegurese de estar atento, especialmente al presionar el botón de disparo. Recuerde presionarlo firmemente pero con suavidad.

Al sostener la cámara verticalmente, asegurese de que el flash esté en el lado derecho de la parte superior.



Wideangle photographs



Telephoto photographs

**En ZOOM IN OR OUT AND COMPOSE THE PICTURE**

Look through the viewfinder and adjust the zoom setting to your desired image size.

- Lens cover closes momentarily when zooming down. This is not a malfunction.

**For wideangle photographs**

To widen the view, press the zoom switch toward "W" (38mm). This setting is recommended for landscapes and group portraits because the in-focus area is considerably deep.

**For telephoto photographs**

To narrow the view, press the zoom switch toward "T" (110mm). The telephoto setting enables you to make distant subjects look closer and larger, and the in-focus area in this setting is relatively shallow.

**Es ZOOM IN OR OUT AND COMPOSE THE PICTURE**

Mirando a través del visor, ajuste el zoom a su tamaño de imagen deseado.

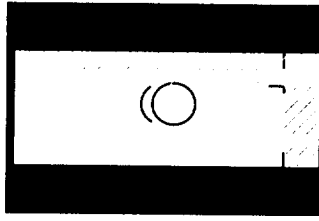
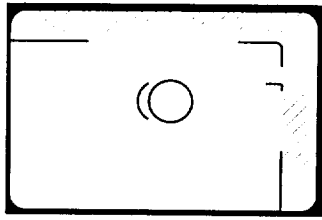
- La tapa del lente se cierra momentáneamente al hacer zoom hacia abajo. Esto no es un mal funcionamiento.

**Para fotografías de gran ángulo**

Para ampliar el campo de visión, presione el interruptor de zoom hacia "W" (38mm). Esta configuración se recomienda para paisajes y retratos de grupo porque el área enfocada es considerablemente profunda.

**Para fotografías de teleobjetivo**

Para reducir el campo de visión, presione el interruptor de zoom hacia "T" (110mm). La configuración de teleobjetivo le permite hacer que los sujetos distantes parezcan más cercanos y más grandes, y el área enfocada en esta configuración es relativamente poco profunda.



**En CHECK IMAGE SIZE THROUGH THE VIEWFINDER**

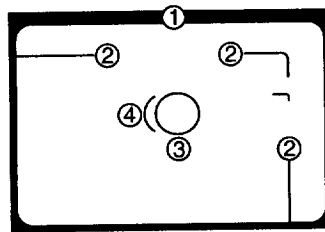
For close-up shooting from 0.86m (2.8 ft.) to 1m (3.3 ft.), make sure your subject is framed within the parallax compensation marks. If the subject is closer than 0.86m (2.8 ft.), shutter locks without any warning indication.

- At Flash-Cancel mode, shutter locks if the subject is closer than 0.93m (3.1 ft.).

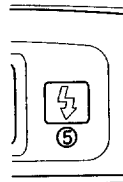
**Es VERIFIQUE EL TAMAÑO DE LA IMAGEN POR VISION**

Para el enfoque cercano (entre 0,86 m (2,8 pies) y 1 m (3,3 pies)), asegurese de que el sujeto esté enmarcado dentro de las marcas de compensación de paralaje. Si el objeto está más cerca de 0,86 m (2,8 pies), el obturador se dispara sin ninguna indicación de advertencia.

- En el modo de cancelación de flash, el obturador se disparará cuando el objeto está a menos de 0,93 m (3,1 pies).



Regular shooting  
Fotografía normal



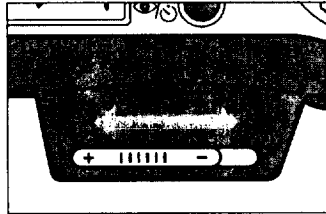
Panorama shooting  
Fotografía panorámica

**Regular shooting**

- ① Regular-format frame
- ② Parallax compensation marks for close-up shooting (approx. 0.86 to 1m or 2.8 to 3.3 ft.)
- ③ Autofocus frame mark
- ④ Autofocus frame mark for close-up shooting
- ⑤ Red ready-light LED
  - LED lights up:.....Ready for shooting
  - LED blinks:.....Flash is not sufficiently charged
  - LED flickers once:.....Subject is focused

**Panorama shooting (Lite•Touch Zoom 110 QD only)**

- ① Panorama-format frame
- ② Parallax compensation mark for panorama close-up shooting (approx. 0.86 to 1m or 2.8 to 3.3 ft.)
- ③ Autofocus frame mark
- ④ Autofocus frame mark for panorama close-up shooting



**En DIOPTRIC ADJUSTMENT**

If you are near-sighted or uncomfortable looking through the viewfinder, adjust the viewfinder diopter. While looking through the viewfinder, slide the diopter adjustment lever left or right until you see the subject most comfortably. You normally set this once — then leave it at the setting.

Since the diopter adjustment lever is located near the viewfinder, be careful not to poke your eyes with your finger or fingernail while adjusting diopter.

**Normalis**

- ① Regular-format frame
- ② Parallax compensation marks for close-up shooting (approx. 0.86 to 1m or 2.8 to 3.3 ft.)
- ③ Autofocus frame mark
- ④ Autofocus frame mark for close-up shooting
- ⑤ Red ready-light LED
  - LED lights up:.....Ready for shooting
  - LED blinks:.....Flash is not sufficiently charged
  - LED flickers once:.....Subject is focused

**Formato panorámico (solo para Lite•Touch Zoom 110 QD)**

- ① Formato panorámico
- ② Marca de compensación de paralaje para el formato panorámico de disparos de primer plano (aprox. 0,86 a 1 m o 2,8 a 3,3 ft.)
- ③ Marca de enfoque automático
- ④ Marca de enfoque automático para el formato panorámico de disparos de primer plano

**Es AJUSTE DIÓPTRICO**

Si usted es miope o le resulta incómodo mirar a través del visor, ajuste la dióptrica del visor. Mientras mira a través del visor, deslice la palanca de ajuste de la dióptrica hacia la izquierda o hacia la derecha hasta que vea el sujeto con mayor comodidad. Normalmente se ajusta una vez — luego se deja en la configuración.

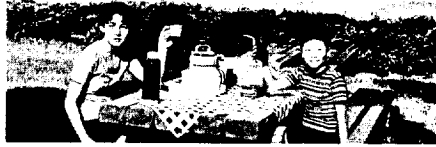
Como la palanca de ajuste de la dióptrica está ubicada cerca del visor, tenga cuidado de no golpearse los ojos con el dedo o la uña al ajustar la dióptrica.



**Regular mode**  
(Slide the switch to the left.)



**Panorama mode**  
(Slide the switch to the right until the yellow "P" mark is visible.)



... ..  
... ..  
... ..

**En SELECT REGULAR/PANORAMA MODE  
(Lite•Touch Zoom 110 QD only)**

Slide the panorama switch to your desired setting.

**Panorama shooting**

The middle portion of each regular-format frame of the 35mm film is exposed, while the upper and lower portions will be cut. Frame size of approx. 12mm x 35mm will be printed with a size of 89mm x 254mm.

**Important!**

- 1) When taking panorama pictures, be sure to place your subject well within the frame because sometimes the upper end of the frame may be cut.
- 2) Data imprinted on panorama pictures is larger than that on regular pictures.

**Es SELECCIONE EL MODO NORMAL/PANORÁMICO  
(solo para la Lite•Touch Zoom 110 QD)**

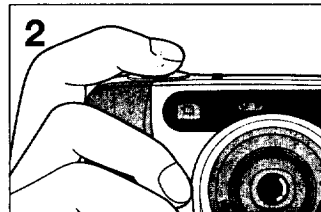
... ..  
... ..

**Tomas panorámicas**

... ..  
... ..  
... ..

**¡Importante!**

- 1) En la toma panorámica asegúrese de colocar su sujeto bien dentro del cuadro porque a veces puede ser cortado el extremo superior del cuadro.
- 2) Los datos impresos en las fotografías panorámicas son más grandes que en las fotografías regulares.





## **En** FOCUS SUBJECT AND TAKE PICTURES

Lightly press the shutter release button and confirm the red ready-light LED flickers once to indicate that the camera is ready for shooting. Then depress the button—gently but fully—to take the picture.

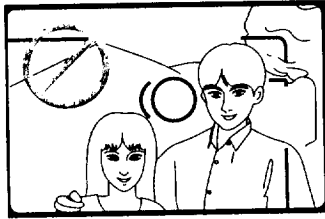
**1** Center the autofocus frame mark "○" on your subject. And lightly press the shutter release button to focus the subject.

**2** Fully depress the shutter release button to take the picture.

### **Notes:**

- 1) When the light is low, the built-in flash automatically fires when the shutter release button is depressed. The red ready-light LED blinks if the flash is not sufficiently charged.
- 2) Before you take the next picture, be sure to remove your finger once from the shutter.

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## **En**

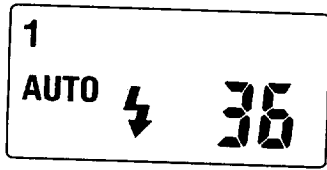
In the composition example shown, the center is located just between your subjects. To take such a picture of the subject outside the autofocus frame mark, use focus lock to avoid out-of-focus picture. (See p.62 for details.)

### **Subjects with which autofocus may not work perfectly**

Use other focus-related functions such as focus lock if you want to take pictures of the following subjects.

- Subjects too small to fully cover the autofocus frame marks.
- Subjects behind glass.
- Dark subjects with no reflection.
- Glossy, light-reflecting surfaces, such as shiny cars.
- Subjects without solid content, such as a candle's flame or fireworks.

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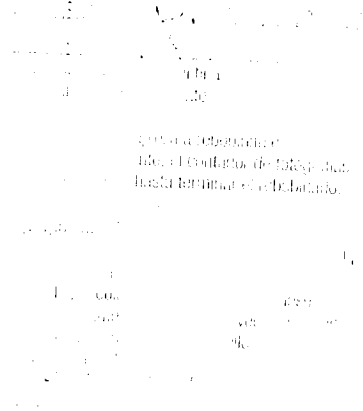
**En FILM REWINDS AUTOMATICALLY**

At the end of the film roll, the film starts rewinding automatically.

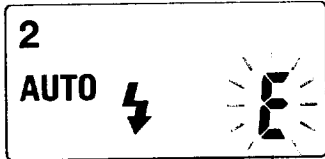
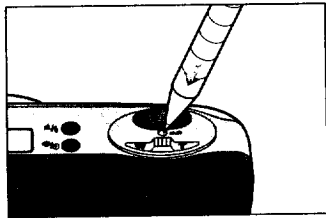
**1** The film starts rewinding automatically; the frame counter counts backwards until the end of film rewind.

**important!**

If the battery runs out and film rewind stops halfway, install a new battery; the film will not resume rewinding. Make sure to push the mid-roll rewind button twice to resume rewinding. For Lite•Touch Zoom 110 QD, always check date and time after changing battery.



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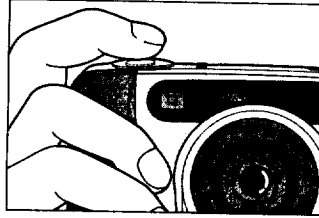


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## ADVANCED SHOOTING GUIDE

### **En** FOCUS LOCK

If your subject is outside the autofocus frame mark, use focus lock. Be sure not to change subject-to-camera distance after lightly pressing the shutter release button to focus and lock focus on the subject.

- 1 Your subject is outside the autofocus frame mark when you compose the picture as desired.
- 2 Center the autofocus frame mark on the subject and lightly press the shutter release button.
  - You can reset focus lock as many times as you like by removing your finger from the shutter release button.



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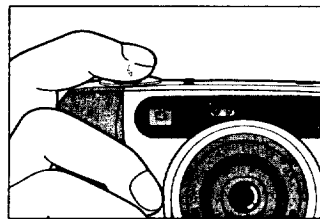
## GUÍA DE TOMAS AVANZADA

### CS RETENCIÓN DEL ENFOQUE

Si el sujeto está fuera del cuadro de enfoque automático, use la retención del enfoque. Debe tener cuidado de que no cambie la distancia del objeto a la cámara una vez oprimido el botón de liberación de la cámara para evitar la pérdida de nitidez de la imagen.

- 1 El sujeto está fuera del cuadro de enfoque automático cuando compones la imagen como deseas.
- 2 Centra el cuadro de enfoque automático en el sujeto y presiona ligeramente el botón de liberación de la cámara.
  - Puedes volver a retener el enfoque tantas veces como quieras al quitar el dedo del botón de liberación de la cámara.

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**3** Keeping the shutter release button lightly pressed, recompose the picture as desired, then fully depress the shutter release button to take the picture.



**3** Manteniendo el botón de disparo ligeramente presionado, recomponga la imagen como desee. Entonces, presione completamente el botón de disparo para tomar la foto.

**En RED-EYE REDUCTION**

In flash photography, the subject's eyes (those of people or, sometimes, animals) may appear bright red in color pictures and white in B&W pictures. To reduce this "red-eye" effect, use this mode.

**Es REDUCCIÓN DE OJOS ROJOS**

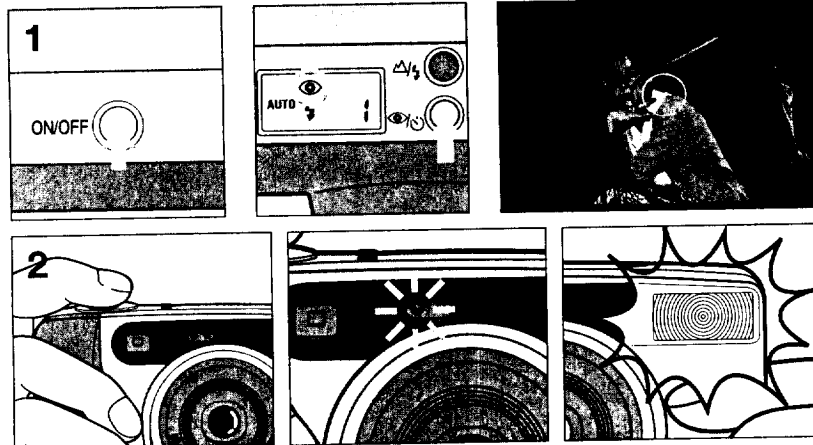
En fotografía con flash, los ojos (de las personas o, a veces, de los animales) pueden aparecer brillantes rojos en las fotografías a color o blancos en las de B&W. Para reducir este efecto, use este modo.

**¡Importante!**


- 1) Red-eye reduction does not work in the flash-cancel or infinity focus mode.
- 2) To cancel the red-eye reduction mode, press the red-eye reduction button again.

**¡Importante!**


- 1) La reducción de ojos rojos no funciona cuando se cancela el flash o en el modo de enfoque a infinito.
- 2) Oprima nuevamente el botón de reducción de ojos rojos para cancelar el modo.



En

- 1 Turn the camera on and press the red-eye reduction button until the "AUTO"  mark appears in the LCD panel. Then, center the autofocus frame mark on your subject.
- 2 Fully depressing the shutter release button causes the red-eye reduction lamp to light up for approximately 1 second; the shutter is then released when the main flash fires, and the picture is taken. Be sure not to move the camera and don't let the subject move until shutter release is confirmed.

Es

- 1 Encienda la cámara y pulse el botón de reducción de ojos rojos hasta que aparezca el símbolo "AUTO"  en el panel LCD. Después, centre el cuadro de enfoque automático en el sujeto.
- 2 Al pulsar completamente el botón de liberación del obturador, se enciende la lámpara de reducción de ojos rojos durante aproximadamente 1 segundo y se libera el obturador cuando se dispara el flash principal y se toma la fotografía. Asegúrese de no mover la cámara y de no permitir que el sujeto se mueva hasta que se confirme la liberación del obturador.

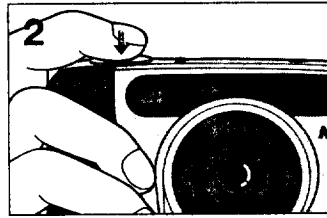
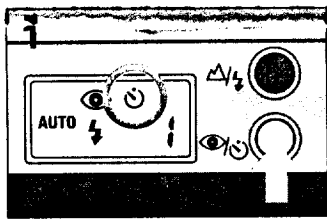


En

Each press of the red-eye reduction/self-timer button changes functions in the order shown at left.

Es

Cada vez que pulse el botón de reducción de ojos rojos/auto-tiempo, cambian las funciones en el orden que se muestra a la izquierda.



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### En SELF-TIMER

For best results, mount the camera on a tripod or position it on a strong, flat surface. Note that red-eye reduction is automatically set when the self-timer is used.

- 1 Press the red-eye reduction/self-timer indicator button until the "⚡" mark appears in the LCD panel, and center the subject on the autofocus frame mark.
- 2 Compose the picture and fully depress the shutter release button. Wait approx. 10 seconds until the shutter is released. To cancel self-timer operation, turn the power switch off.

### ES AUTOTRIPAVADOR



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En

#### Important!

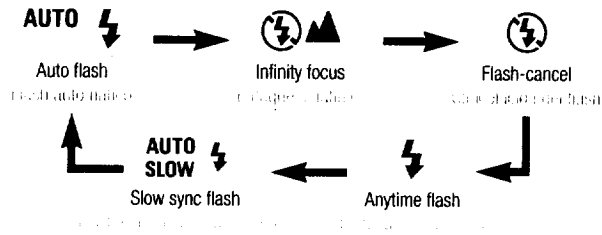
- 1) The self-timer does not work while the flash is being charged (while red ready-light LED blinks).
- 2) The self-timer mode is canceled every time the shutter is released.

Es

#### ¡Importante!

- 1) El autotripavador no funciona cuando el flash está siendo cargado (mientras el LED listo parpadea).
- 2) El modo de autotripavador se cancela cada vez que se libera la toma.

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**En** **AUTO FLASH**

Flash fires automatically when there is not enough light.

**Warning**

Don't use flash near the subject's eyes—it could be harmful.

You can select from four flash modes, depending on your requirement. These modes change, when the flash mode button is pressed, in the order indicated at left.

Auto flash is automatically selected when the power is turned on.

**Es** **FLASH AUTOMÁTICO**

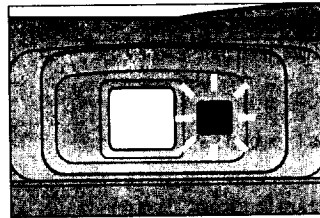
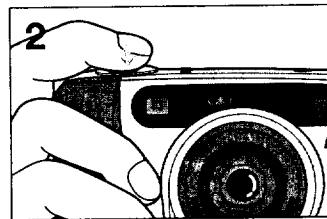
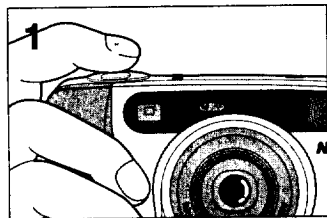
El flash dispara automáticamente cuando no hay suficiente luz.

**Advertencia**

No utilice el flash cerca de los ojos de la persona que fotografía, ya que puede resultar perjudicial.

Hay cuatro modos de flash seleccionados en función de sus requisitos. Estos modos cambian cuando se pulsa el botón de modo de flash, en el orden indicado a la izquierda.

Al encender la cámara, se selecciona automáticamente el modo de flash automático.







**1** Lightly press the shutter release button. If the red ready-light LED blinks to show that flash is being charged, the shutter cannot be released. Press the button again to confirm that the red ready-light LED comes on, indicating that the camera is ready to shoot.

**2** Compose the picture and fully depress the shutter release button. The red ready-light LED comes on to show you the flash is ready.



**1** Presione suavemente el botón de disparo. Si el LED rojo de listo parpadea para indicar que se está cargando el flash, no se puede liberar el obturador. Presione el botón de nuevo para confirmar que el LED rojo de listo se enciende, indicando que la cámara está lista para disparar.

**2** Compose la imagen y presione completamente el botón de disparo. El LED rojo de listo se enciende para indicarle que el flash está listo.

Unit: m (ft.)      *Unidad: metros (pies)*

ISO film speed <i>Velocidad ISO</i>	Flash shooting distance range (print film only) <i>Alcance del flash (papel en rollo)</i>	
	38mm setting <i>Preajuste de 38 mm</i>	110mm setting <i>Preajuste de 110 mm</i>
<b>50</b>	0.86 - 4.6 (2.8 - 15.1)	0.86 - 1.7 (2.8 - 5.9)
<b>100</b>	0.86 - 6.5 (2.8 - 21.3)	0.86 - 2.4 (2.8 - 7.9)
<b>200</b>	0.86 - 9.2 (2.8 - 30.2)	0.86 - 3.4 (2.8 - 11.2)
<b>400</b>	0.86 - 13.1 (2.8 - 43.0)	0.86 - 4.8 (2.8 - 15.8)
<b>800</b>	0.86 - 18.5 (2.8 - 60.7)	0.86 - 6.8 (2.8 - 22.3)
<b>1600</b>	0.86 - 26.1 (2.8 - 85.6)	0.86 - 9.6 (2.8 - 31.5)



**Flash shooting range**

Before shooting with flash, make sure the subject is within the flash shooting range for the film speed in use. This varies as shown in the table at left.

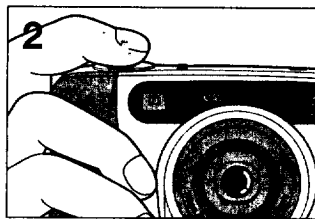
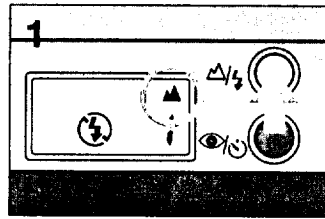
Note that the flash shooting range of color slide film is approx. 2/3 that of print film with the same ISO film speed rating.



**Alcance de las tomas con flash**

Antes de hacer una toma con flash, verifique que el sujeto se encuentre dentro del alcance del flash para la velocidad de la película que está usando. Este alcance varía de acuerdo a lo que se muestra en la tabla a la izquierda.

Nota que el alcance del flash en las películas de diapositiva de color es aproximadamente 2/3 del alcance del flash en las películas de impresión con la misma velocidad ISO.



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**En INFINITY FOCUS**

Focus is locked at infinity. Great for shooting landscapes, or distant scenes through glass or window panes. Flash is automatically cancelled in this mode.

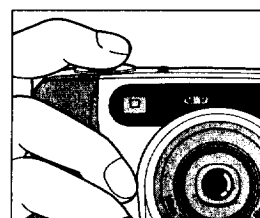
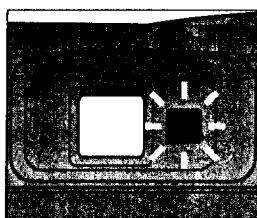
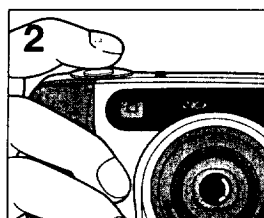
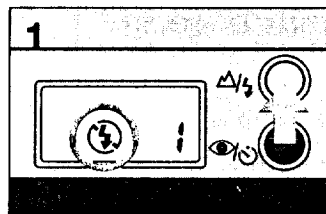
- 1 Press the flash mode button until the "▲" mark appears in the LCD panel.
- 2 Compose the picture and fully depress the shutter release button.

**Es ENFOQUE AL INFINITO**

El enfoque queda bloqueado en infinito. Es ideal para paisajes, o más de paisajes o de una escena distante a través de un vidrio o ventana. El flash se cancela automáticamente en este modo.

- 1 Oprime el botón de modo de flash hasta que aparece la marca "▲" en la pantalla LCD.
- 2 Compongas la escena y oprima a fondo el obturador.

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## En FLASH-CANCEL

This mode enables you to cancel flash operation in lighting conditions where normally the flash would automatically fire. For example, it is useful for shooting scenery in the evening or at night.

- To prevent picture blur, use of a tripod is recommended.
- In Flash-Cancel mode, if the subject is closer than 0.93m (3.1 ft.), shutter locks without any warning indication.

- 1 Press the flash mode button until the "⚡" mark appears in the LCD panel.
- 2 Compose the picture and lightly press the shutter release button to confirm that the red ready-light LED flickers once; then fully depress the button to take the picture.

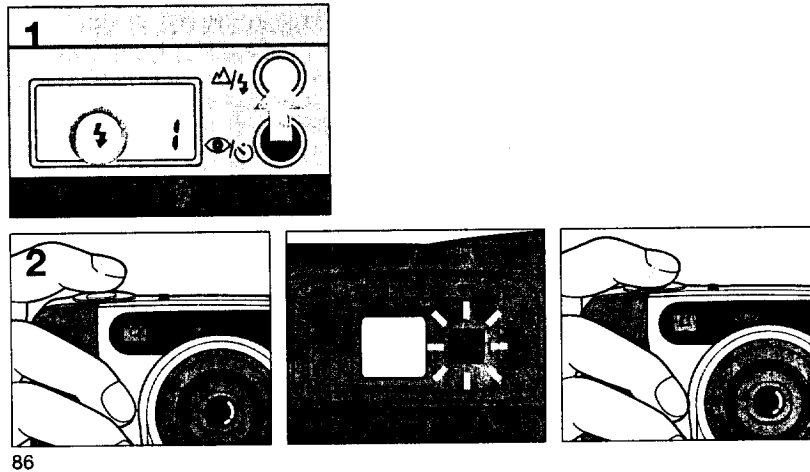
## es CANCELACION DEL FLASH

Este modo le permite cancelar el funcionamiento del flash en condiciones de iluminación en las que normalmente el flash dispararía automáticamente. Por ejemplo, es útil para fotografiar paisajes por la noche o al atardecer.

- Para evitar que la imagen quede borrosa, se recomienda el uso de un trípode.
- En modo de cancelación del flash, si el objeto está más cerca que a 0,93 m (3,1 pies), el obturador se dispara sin ninguna advertencia.

- 1 Oprime el botón de modo de flash hasta que aparezca la marca "⚡" en la pantalla LCD.
- 2 Comprime la imagen y oprime ligeramente el botón de obturación para confirmar que el LED de lista para disparar parpadeará una vez; luego, oprime el botón de obturación para tomar la fotografía.

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## En ANYTIME FLASH

This mode enables you to use flash anytime you want to.

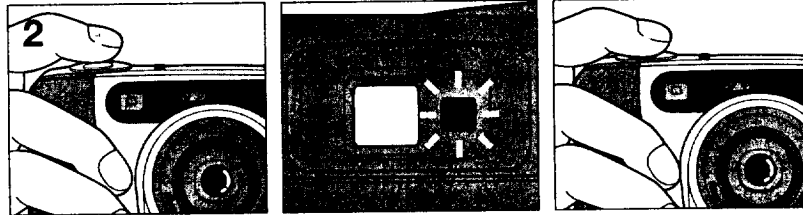
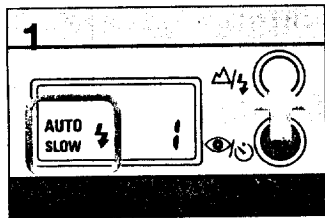
- 1 Press the flash mode button until the "⚡" mark appears in the LCD panel.
- 2 Compose the picture and lightly press the shutter release button to confirm that the red ready-light LED comes on; then fully depress the button to take the picture.

## Es FLASH EN CUALQUIER MOMENTO

Este modo le permite utilizar el flash en cualquier momento que desee.

- 1 Oprime el botón de modo de flash hasta que aparezca la marca "⚡" en la pantalla LCD.
- 2 Comprime la imagen y oprime ligeramente el botón de obturación para confirmar que el LED de lista para disparar se enciende; luego, oprime el botón de obturación para tomar la fotografía.

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### **En** SLOW SYNC FLASH

This mode is used to brighten both the subject and the background in night scenes.

- For best results, use a tripod to avoid camera shake caused by slow shutter speeds.

**1** Press the flash mode button until the "AUTO SLOW" mark appears in the LCD panel.

**2** Compose the picture and lightly press the shutter release button to confirm that the red ready-light LED comes on; then fully depress the button to take the picture.

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## MISCELLANEOUS

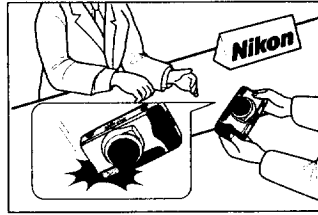
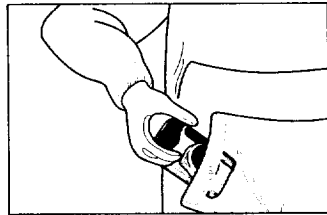
### **En** TROUBLESHOOTING

Problem	Check this	Solution
<b>Shutter cannot be released</b>	Is the power switch off?	Turn the power switch on.
	Is the battery exhausted?	Check battery power on display; if it's weak or exhausted, replace battery.
	Did the red ready-light LED blink when you lightly pressed the shutter release button?	The flash was being charged. Lightly press the button again to confirm that the red ready-light LED comes on without blinking; you can then fully depress the button.
	Is the subject too close: within 0.86m or 2.8 ft. (0.93m or 3.1 ft. in flash cancel mode)	Minimum shooting distance of this camera is 0.86m or 2.8 ft. (0.93m or 3.1 ft. in flash cancel mode). Move away from the subject.

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Problem	Check this	Solution
<b>Flash won't fire</b>	Is the battery exhausted?	Check battery power on display; if it's weak or exhausted, replace battery.
	Is the subject too bright?	Flash won't fire if the subject is too bright. If you need flash, set the anytime flash mode.
<b>The picture is out of focus</b>	Was the subject outside the autofocus frame mark when you shot the picture?	You should either center the subject within the autofocus frame mark, or use focus lock next time you take pictures.
	Was there camera shake?	To avoid camera shake, be sure to press the shutter release button fully but gently. In dim lighting, use a tripod.

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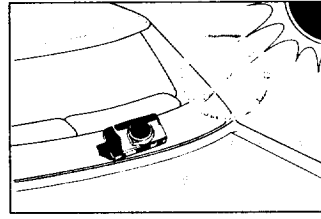
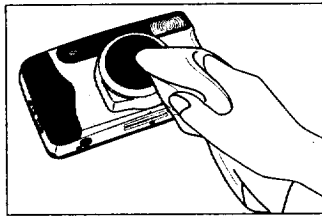
### **En** CAMERA CARE TIPS

- Switch off the camera when not using it to avoid pressing the shutter release button by mistake, which wastes film and battery power.
- Do not leave the camera in an excessively hot place such as inside a car, or near a heater; store it in a cool and dry place.
- Continuous firing of the flash may cause camera and battery heating; use flash at intervals.
- In low temperatures like 0°C (32°F) or below, the camera may not work normally; keep it warm.
- The camera has a high-voltage circuit. If it malfunctions, do not try to repair it yourself—take it to an authorized Nikon dealer or service center.
- Make sure not to drop the camera or bump it against something hard. Excessive shock may cause it to malfunction.

### Es CONSEJOS PARA EL CUIDADO

- Cuando no esté usando la cámara, apague el interruptor de encendido para evitar que se presione accidentalmente el botón de disparo, lo que desperdicia película y energía de la batería.
- No deje la cámara en un lugar excesivamente caliente, como el interior de un automóvil, o cerca de un calentador; guárdela en un lugar fresco y seco.
- El disparo continuo del flash puede causar calentamiento de la cámara y de la batería; use el flash en intervalos.
- En temperaturas bajas como 0°C (32°F) o inferiores, la cámara puede no funcionar normalmente; manténgala caliente.
- La cámara tiene un circuito de alta tensión. Si falla, no intente repararla usted mismo; llévela a un distribuidor autorizado de Nikon o a un centro de servicio.
- Asegúrese de no dejar caer la cámara o golpearla contra algo duro. Un golpe excesivo puede causar un mal funcionamiento.

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**En**

- Clean the camera periodically with a soft clean cloth to keep out dust, salt, etc.
- Clean the lens surface with a blower brush. You may also use a lens cleaner to remove dirt and smudges. If the autofocus window gets dirty or smudged, wipe it gently with a soft and clean cloth.
- Do NOT ever use organic solvents like thinner or benzene.
- Store the camera in a cool, dry place away from naphthalene or camphor (moth repellent) as well as dust.
- If you store the camera for a prolonged period without using it, flash performance could deteriorate. We recommend that you fire the flash several times periodically, at least once a month.

**En**

- To remove dust or smudges from the camera lens, use a soft clean cloth to wipe the lens surface. You may also use a lens cleaner to remove dirt and smudges. If the autofocus window gets dirty or smudged, wipe it gently with a soft and clean cloth.
- Do NOT ever use organic solvents like thinner or benzene.
- Store the camera in a cool, dry place away from naphthalene or camphor (moth repellent) as well as dust.
- If you store the camera for a prolonged period without using it, flash performance could deteriorate. We recommend that you fire the flash several times periodically, at least once a month.

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### **En** NOTES ON BATTERIES

- If you do not intend to use the camera for a long time, remove the battery.
- Keep the batteries out of children's reach. If someone accidentally swallows a battery, call a doctor immediately.
- Stains on the battery poles may cause lack of contact. Wipe the battery well with a dry cloth before installing.
- Battery power weakens at extremely low temperatures, especially below 0°C (32°F). Keep the camera warm, for example, in your pocket; once it gets warmed up, the battery recovers its original performance.
- Do NOT ever short-circuit, disassemble, heat or try to charge batteries yourself. Also, do not throw used batteries into fire.
- The battery that comes with the camera is basically for testing the camera's operation. Power may not last as long as that of other batteries.
- Before taking pictures at important events like weddings or graduations, make sure that the battery is fresh; carry spare batteries just in case.

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In some cases, your local film processing lab may not be able to handle the printing of panorama-size pictures. For details, consult your local photo shop or camera dealer. Also, before you have your film processed, ask your local photo shop about possible options for processing panorama pictures. Note that panorama pictures are more expensive and require a longer processing time than regular-size pictures.

- 1) If an entire roll consists of panorama-size pictures, be sure to specify panorama processing, and explain that your film consists entirely of panorama pictures.
- 2) When you have a mix of panorama and regular pictures on a single roll, you should have your film processed according to one of the following conditions:

**If your local photo shop has photo processing machinery equipped to process a single roll of film that contains a mix of both panorama and regular-size pictures:**

- a) Explain that your film consists of a mix of panorama and regular-size pictures when you have your film processed.

**If your local photo shop can only process either panorama or regular-size pictures in a given roll:**

- b) Ask for development only, so you can review the negative film before printing, and later specify separate printing of panorama and regular-size frames.
- c) Print all of the pictures in regular-size prints first, then later specify the panorama-size frames on the film and have them printed again in panorama size prints. Note that when panorama pictures are printed as regular-size pictures, the top and bottom of each picture will be blacked out.

*In a panorama picture, only the middle portion of each regular-size film frame is exposed. There is no difference, however, in the number of pictures you can take with a roll, whether they be panorama, regular size, or a mix of both.*

Regular-size frame      Panorama-size frame



**En SPECIFICATIONS**

<b>Type of camera</b>	35mm autofocus lens-shutter camera with Nikon Zoom 38-110mm f/4-10.8 lens	<b>Viewfinder information</b>	0.35x magnification at 38mm, 0.92x at 110mm; -1.3 to +0.8DP eyesight adjustment Image size frame with parallax compensation marks; panorama-format frame marks with parallax compensation marks (Lite•Touch Zoom 110 QD only); autofocus frame; flash ready-light LED; focus indicator (red ready-light LED flickers once)
<b>Usable film</b>	DX-coded 35mm film in film cartridge	<b>Focusing</b>	Activated by lightly pressing shutter release button; range from 0.86m to 2.8 ft. to infinity (0.93m or 3.1 ft. to infinity in Flash-Cancel mode); max. magnification
<b>Picture format</b>	<b>Normal:</b> 24 x 36mm <b>Panorama:</b> 13 x 36mm		
<b>Lens</b>	38mm f/4 - 110mm f/10.8; 6 elements in 5 groups		
<b>Shutter</b>	Programmed electronic type; also serves as diaphragm blades		
<b>Viewfinder</b>	Real-image viewfinder; frame coverage: approx. over 87% at 38mm or over 86% at 110mm in regular-size frame, approx. over 82% at 38mm or over 85% at 110mm in panorama-size frame;		

	0.145x at 110mm; Infinity Focus locks focus at infinity; focus is locked as long as shutter release button is lightly pressed; the shutter locks when the subject is closer than 0.86m (2.8 ft.) or 0.93m (3.1 ft.) in Flash-Cancel mode Electronically controlled program AE		automatically set; non-DX- coded film automatically set to ISO 100 regardless of actual ISO rating
<b>Exposure control</b>		<b>Film loading</b>	Film automatically advances to first frame upon completion of film loading
<b>Auto exposure range</b>	ISO100: EV 6 - EV 15 at 38mm, EV 7 - EV 17.6 at 110mm	<b>Film advance with built-in motor</b>	Film automatically advances by one frame after each shot; auto rewind at end of film roll; mid- roll rewind function available
<b>Film speed setting</b>	DX-coded ISO 50, 100, 200, 400, 800, 1600 film	<b>Frame counter information</b>	Shown in LCD panel; additive type; counts back during film rewind; automatic advance by one frame when battery is changed

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**En**

<b>Self-timer</b>	Electronically controlled; activated by depressing shutter release button; red-eye reduction lamp blinks and lights up to show when ready; timer duration 10 seconds; cancellable	<b>LCD panel</b>	Display includes frame counter, no- film indication, flash mode, self-timer mode, battery power check and infinity focus mode (data imprint information in imprint data LCD: Lite•Touch Zoom 110 QD only).
<b>Flash</b>	Four flash modes available—Auto Flash, Flash-Cancel, Anytime Flash and Slow Sync flash; guide number 16 (ISO 100, in metres); shutter-lock during battery charge; recycling time approx. 8 seconds	<b>Battery life (With 50% flash use)</b>	Approx. 13 rolls of 24-exposure film or 9 rolls of 36-exposure film
<b>Red-eye reduction mode</b>	Lights up for 1 second when light is low or before flash fires	<b>Power source</b>	One 3V lithium battery (CR123A type or DL123A)

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**Data imprint function  
(Lite•Touch Zoom 110 QD only)**

Imprint uses 7-dot LED; functions  
with panorama-format pictures; auto  
film speed setting with DX code (ISO  
50 - 1600); printed data include  
year, month, day, hour (24-hour  
cycle with no AM/PM) and minute  
with five choices: Year/Month/Day,  
Month/Day/Year, Day/Month/Year,  
Day/Hour/Minute and no-imprint;  
leap year adjustment until 2024;  
power source same as camera body;  
built-in clock with timing accuracy  
within  $\pm 90$  seconds a month

**Dimensions (W x H x D)**

Approx. 127 x 67 x 50mm  
or approx. 5.0 x 2.7 x 2.0 inches

**Weight**

**(without battery)**

**Lite•Touch Zoom 110:**

Approx. 270g or 9.5 oz.

**Lite•Touch Zoom 110 QD:**

Approx. 280g or 9.9 oz.

*Specifications apply when fresh battery is used at  
normal temperature (20°C or 68°F).*

*Specifications and design are subject to change  
without notice.*

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