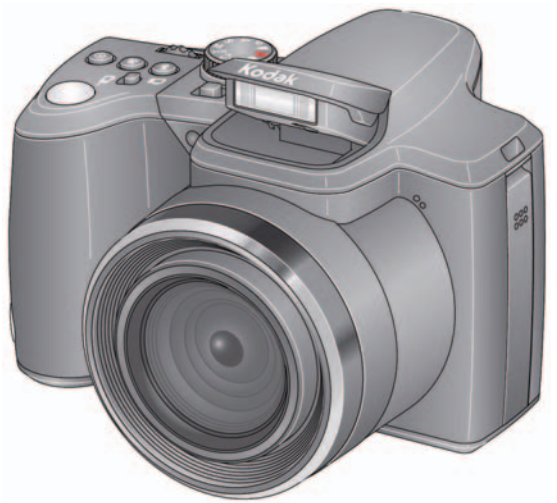
KODAK EASYSHARE Z981 Digital Camera



Extended user guide

www.kodak.com

For interactive tutorials:
www.kodak.com/go/howto

For help with your camera:
www.kodak.com/go/z981support

Kodak

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Rochester, New York 14650
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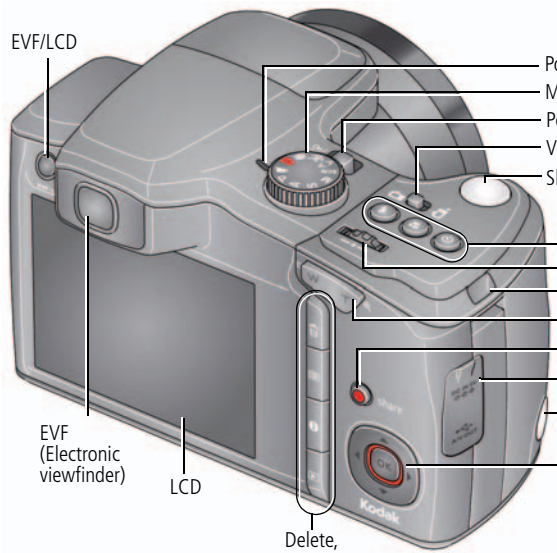
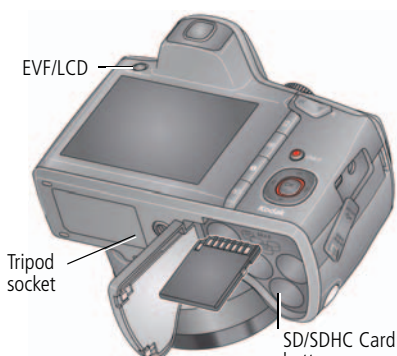
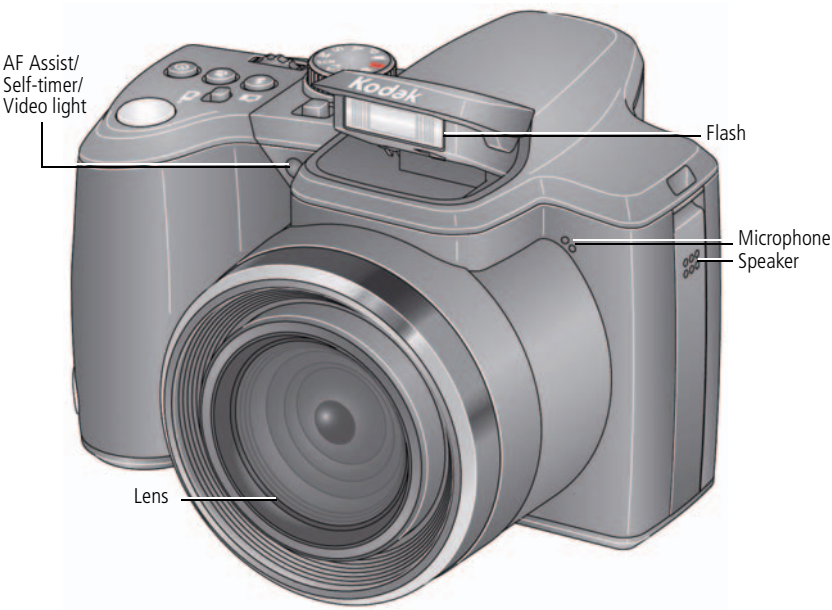
Back, bottom view





Front view


AF Assist/
Self-timer/
Video light
Flash
Microphone
Speaker
Lens

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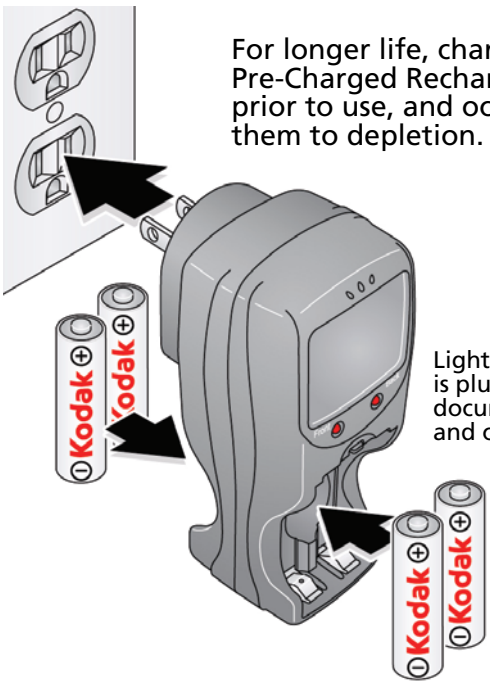
1 Setting up your camera

Charging the rechargeable batteries

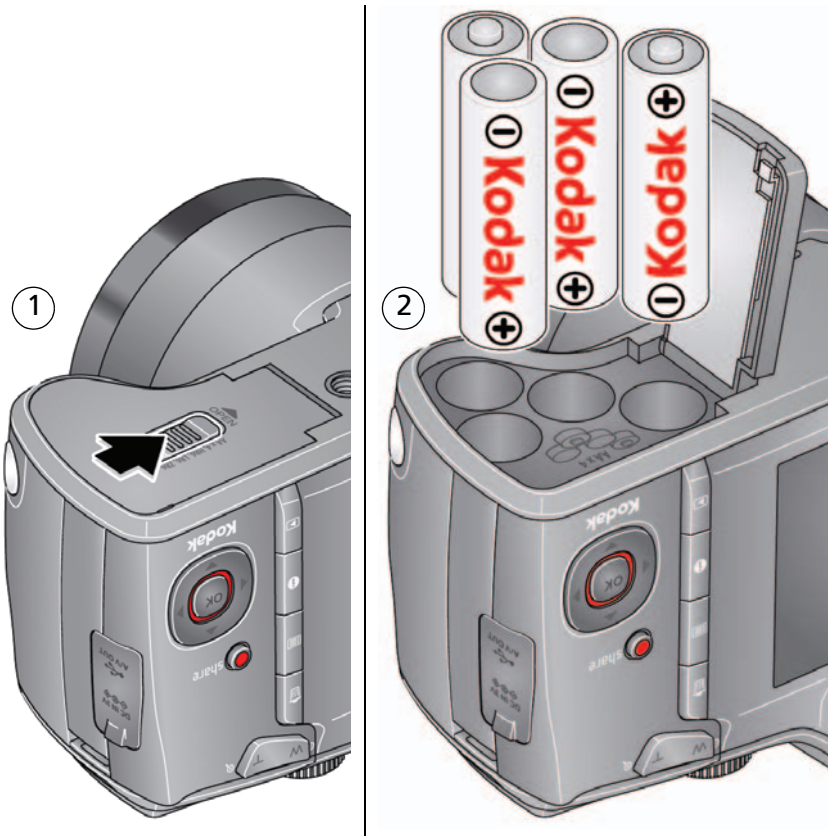


For longer life, charge KODAK Ni-MH Pre-Charged Rechargeable Batteries AA prior to use, and occasionally discharge them to depletion.

Lights are on while the charger is plugged in. (See the charger documentation for instructions and charging times.)

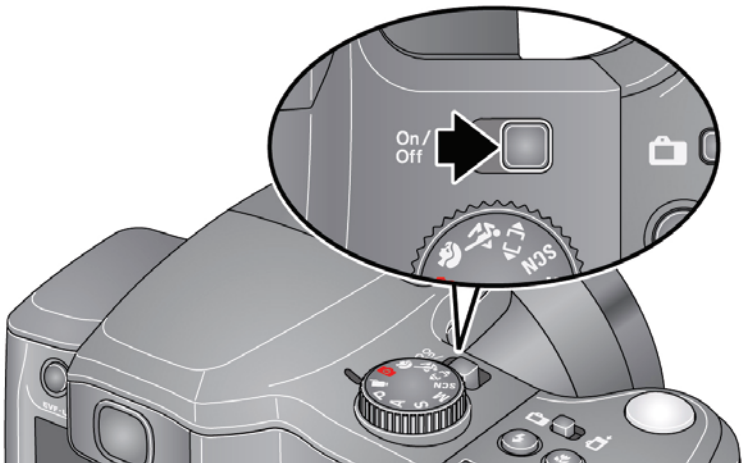
See other power options	See page 7
Extend battery life	See page 61
Purchase accessories	www.kodak.com/go/z981accessories

Loading the batteries

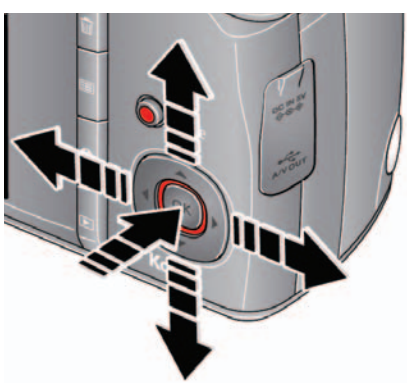


See other power options	See page 7
Extend battery life	See page 61
Purchase accessories	www.kodak.com/go/z981accessories

Turning on the camera



Setting the language, date/time



Language:
▲▼ to change.
OK to accept.

Date/Time:
At the prompt, press OK.
▲▼ to change current field.
◀▶ for previous/next field.
OK to accept.

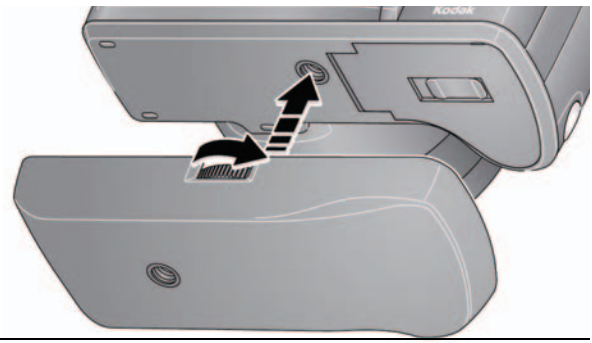
NOTE: To change language or date/time in the future, use the Setup menu (see page 43).

Attaching the strap

Using the vertical grip (for portrait orientation)

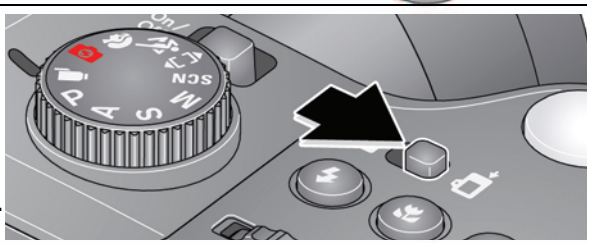
The vertical grip makes it easier to take pictures in the vertical, portrait orientation.

1. Attach and tighten the grip.



2. Turn on the camera.

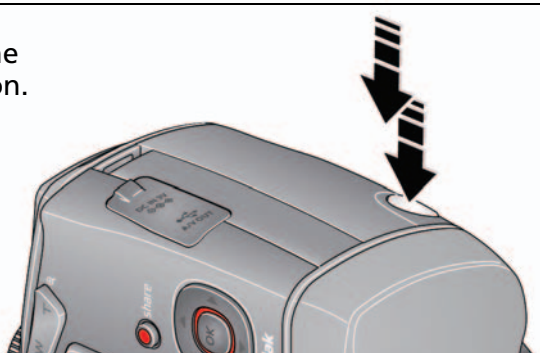
   Slide the Vertical Shutter switch.



3. Take pictures in the portrait orientation.

   Use the Vertical Shutter button to take pictures.

   Use ▲▼ to zoom.



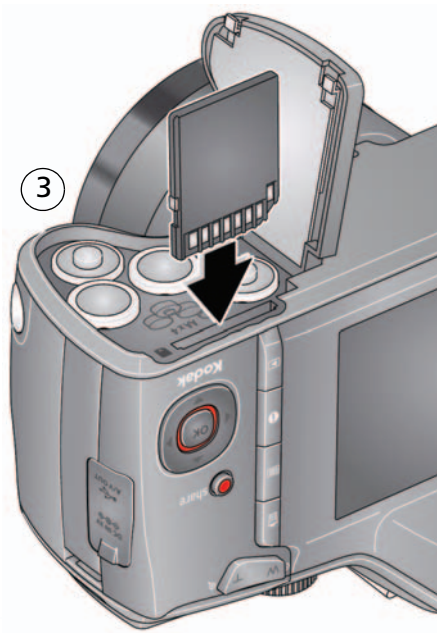
Storing pictures on an (accessory) SD or SDHC Card

Your camera has internal memory. You can purchase an SD or SDHC Card to store more pictures and videos. (Maximum supported card size is 32 GB.)

CAUTION:

A card can only be inserted one way; forcing it may cause damage. Inserting or removing a card when the camera is on may damage the pictures, the card, or the camera.

1 Turn off the camera.

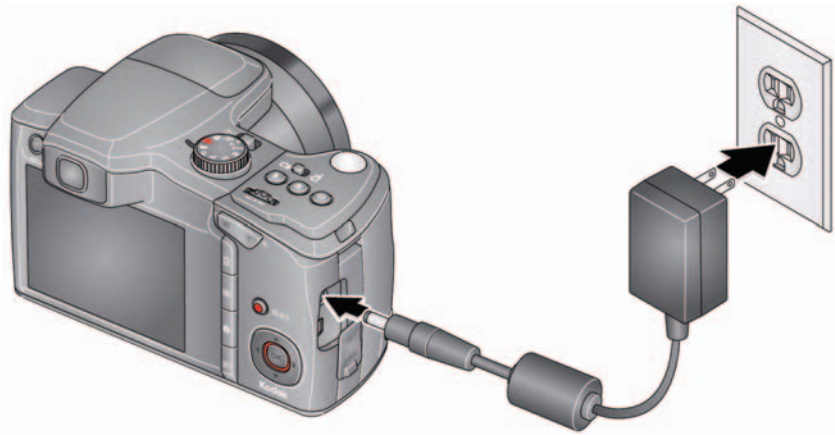


Purchase accessories	www.kodak.com/go/z981accessories

Using other (accessory) power options

Use the KODAK 5-Volt AC Adapter to save battery power.

NOTE: The AC adapter does not charge the batteries.



Purchase accessories	www.kodak.com/go/z981accessories

2 Taking pictures/videos

Taking pictures in Smart Capture mode

1. Turn the Mode dial to Smart Capture .
2. Press the Shutter button halfway to lock the focus. When the framing marks turn green, press the Shutter button completely down.

To save battery power, press the EVF/LCD button and use the electronic viewfinder.

NOTE: For more information on Smart Capture and other modes, see page 11. Framing marks do not appear in some SCN (scene) and Video modes.

Using the framing marks

Framing marks indicate the camera focus area.

1 Press the Shutter button **halfway**.

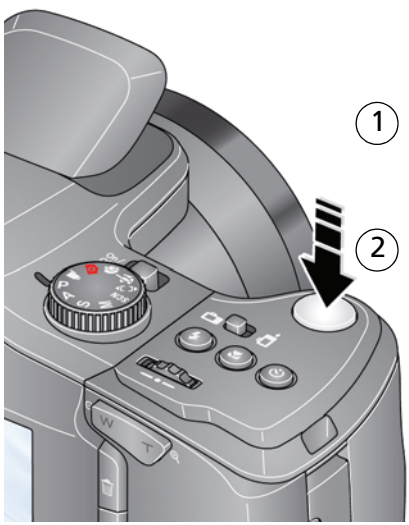
If the camera is not focusing on the desired subject, release the Shutter button and recompose the scene.

2 Press the Shutter button **completely down** to take the picture.

NOTE: Multiple framing marks may appear when faces are detected.

To access your camera's Help system, see page 51.

Taking a video



1 Turn the Mode dial to Video .

2 Press the Shutter button completely down and release. (To stop recording, press and release again.)

Reviewing the picture/video just taken

After you take a picture/video, the LCD or EVF displays a quickview for several seconds. (To dismiss the quickview sooner, press the Shutter button halfway.) The picture/video is saved unless you press the Delete button.

To review pictures/videos anytime, see page 28.

Adjusting LCD brightness

To adjust the LCD brightness for your environment, see page 44.

Capture modes

Choose the mode that best suits your subjects and surroundings.

Capture mode		For
	Smart Capture	Excellent image quality and ease of use. ■ Faces are detected. ■ The scene is analyzed for other content and for lighting. ■ KODAK PERFECT TOUCH Technology is applied, for better pictures. You can choose the best picture size and aspect ratio for your needs—just press the Menu button and choose Picture Size.
	Portrait	Full-frame portraits of people.
	Sport	Subjects that are in motion. Shutter speed is fast.
	Panorama	"Stitching" 2 or 3 pictures into 1 panoramic scene. (See page 18.)
SCN	**Scene**	Point-and-shoot simplicity when taking pictures under special conditions. (See page 12.)
P **A** **S** **M**	**Program** **Aperture Priority** **Shutter Priority** **Manual**	More creative control. (See page 19.)
	Video	Video with sound. (See page 9.)

Scene modes

1 Turn the Mode dial to Scene SCN.

2 Press ◀ ▶ ▲ ▼ to display Scene modes.

NOTE: If the mode description turns off before you finish reading it, press OK.

3 Press OK to choose a Scene mode.

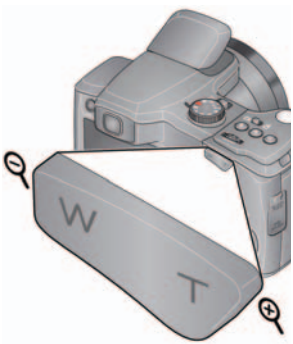
SCN mode	For
High ISO	People indoors, in low-light scenes.
Night Portrait	Reducing red eye of people in night scenes or low-light conditions. Place the camera on a flat, steady surface or use a tripod.
Landscape	Far-away scenes. The camera uses infinity auto-focus. Framing marks are not available in Landscape.
Night Landscape	Distant scenery at night. Flash does not fire. Place the camera on a flat, steady surface or use a tripod.
Flower	Close-ups of flowers or other small subjects in bright light. Focus is Macro.
Sunset	Capturing the deep hues seen at sunset.
Backlight	Subjects that are in shadow or "backlit" (when light is behind the subject).
Candle light	Capturing the ambiance of candle light.
Manner/ Museum	Quiet occasions, like a wedding or lecture. Flash is off.
Text	Documents. Focus is Macro.
Beach	Bright beach scenes.
Snow	Bright snow scenes.
Fireworks	Bright, colorful light displays. Flash does not fire. Place the camera on a flat, steady surface or use a tripod.
Children	Action pictures of children in bright light.
Self-Portrait	Close-ups of yourself. Assures proper focus and minimizes red eye.

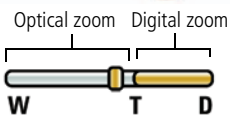
SCN mode	For
Stage	People on a lit stage. Fast shutter speed, high ISO. Flash and sounds are off. (Flash setting can be changed.)

Using the zoom

Use optical zoom to get up to 26X closer to your subject while taking pictures/videos.

IMPORTANT: *If the camera is in portrait mode (see page 5), press ▲▼ to zoom.*





1. Use the LCD or EVF to frame your subject. (For focus distances, see Camera specifications, page 58.)
2. Press Telephoto (T) to zoom in. Press Wide Angle (W) to zoom out.
3. Take the picture or video.

NOTE: To get a focused picture every time, remember:

- Use the framing marks, page 9.
- As you zoom in, you may need to move away from your subject. See Focus System on page 58.

Using digital zoom

To turn on/off digital zoom, see page 43. (Digital zoom is not available in Smart Capture mode.)

NOTE: You may notice decreased image quality when using digital zoom.

Using the flash

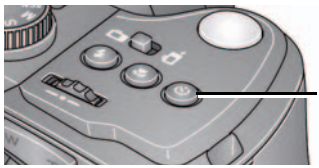
Use the flash when you take pictures at night, indoors, or outdoors in heavy shadows. Flash settings are limited in some capture modes.

Press the Flash button repeatedly to scroll through flash modes.

The current flash mode appears on the LCD or EVF.

Flash modes		Flash fires
Auto		When the lighting conditions require it.
Fill		Every time you take a picture, regardless of the lighting conditions. Use when the subject is in shadow or is "backlit" (when the light is behind the subject). In low light, hold the camera steady or use a tripod. NOTE: Not available in Smart Capture mode.
Red-eye Reduction To choose Preflash or Digital Correction, see page 44.	Preflash	A preflash fires, shrinking the eye pupil, before the picture is taken.
	Digital Correction	A preflash does not fire; the camera corrects red eye. NOTE: When using digital correction, image processing takes longer than when using preflash.
Off		Never.

Using the Drive button



Press the Drive button repeatedly to scroll through self-timer and burst modes.

The current flash mode appears on the LCD or EVF.

Using the self-timer

Use the self-timer when you want to be included in a picture, or to ensure a steady Shutter button press. Place the camera on a tripod or flat surface.

1 In any picture-taking mode, press the Drive button until the desired self-timer icon is displayed on the LCD.

10 seconds— A picture is taken after a 10-second delay (so you have time to get into the scene).

2 seconds— A picture is taken after a 2-second delay (for a steady, shutter release on a tripod).

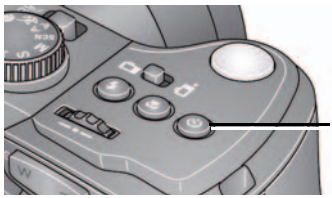
2 shot— The first picture is taken after a 10-second delay. A second picture is taken 8 seconds later.

2 Press the Shutter button **halfway** to focus and set exposure, then **completely down** to take the pictures.

The camera takes the picture(s) after the delay.

Use the same procedure to take a 2- or 10-second self-timer video, but press the Shutter button **completely down**.

Taking burst pictures



Press the Drive button repeatedly to scroll through self-timer and burst modes.

The current flash mode appears on the LCD or EVF.

1 In most Still modes, press the Drive button until the desired burst icon is displayed on the LCD.

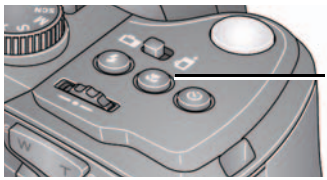
Mode	Icon	Description	Example
Burst		Camera takes 0.9 picture per second, up to 3 pictures (at full resolution at Standard compression) while the Shutter button is pressed.	A child blowing out birthday candles.
High-speed Burst	8/s	Camera takes 8 pictures per second, up to 9 pictures, while the Shutter button is pressed. (Picture sizes are 3 MP.)	A person swinging a golf club.

2 Press the Shutter button **halfway** to focus and set exposure, then **press and hold it completely down** to take the pictures.

The camera stops taking pictures when you release the Shutter button, when the pictures are taken, or when there is no more storage space.

NOTE: During quickview, you can delete all pictures in the burst series. To delete selectively, do so in Review (see page 29). Burst is unavailable in Portrait, Night Portrait, Night Landscape, Backlight, Fireworks, and Panorama modes, and when taking pictures in the RAW format.

Using the Focus button



Press the Focus button repeatedly to scroll through Normal, Infinity, Macro, and Super Macro modes.
The current flash mode appears on the LCD or EVF.

IMPORTANT: *Focus mode availability varies by picture-taking mode.*

1 Press the Focus button until the desired focus icon is displayed on the LCD.

Mode	Icon	For
Normal AF	No icon	Normal picture taking.
Infinity AF		Distant scenery or for taking pictures through a window.
Macro AF		Subjects that are 3.9–39.4 in. (10–100 cm) from the lens.
Super Macro AF		Subjects that are 0.4–11.8 in. (1–30 cm) from the lens.
Manual Focus	**MF**	The focus icon shows the direction and distance of the focus (to infinity). Press ◀ ▶ to magnify the central area of focus. During magnification, press ◀ ▶ to adjust focal length.

2 Press the Shutter button **halfway** to focus and set exposure, then **completely down** to take the picture.

Taking panoramic pictures

Use panorama to "stitch" up to 3 pictures into a panoramic scene.

NOTE: Individual picture sizes are approximately 3 MP (but may vary depending on scene content). Individual pictures are not saved, even if panorama capture is cancelled before stitching occurs. (Exposure Compensation, White Balance, Exposure Metering, AF Zone, AF Control, Color Mode, and Sharpness are set with the first picture. The flash is set to Off.) You can use the self-timer (2- and 10-second delays) while taking panoramic pictures. See page 15.

1. Turn the Mode dial to Panorama ◀[ ]▶.
2. Press ◀ ▶ to choose Panorama Left-Right or Panorama Right-Left (depending on the direction you want to pan), then press OK.
3. Take the first picture.

   After a quickview, the LCD or EVF displays the liveview and an "overlay" from the first picture.
4. Compose the second picture. Make the overlay from the first picture cover the same portion in the new picture.
5. If you are taking only 2 pictures, press OK to stitch them together.

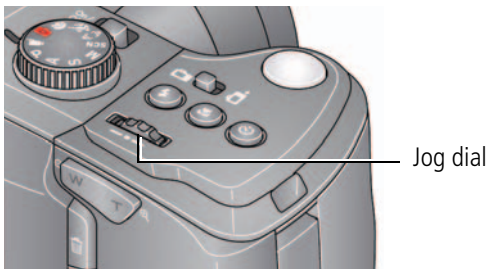
   After you take 3 pictures, the pictures are automatically stitched together.

Take 2 or 3 pictures.

Get 1 panoramic picture.

P, A, S, and M modes

Use these modes when you want more control over your camera and pictures.



Mode	When to use	Press Jog dial to control
P	**Program** mode offers the ease of auto shooting with full access to all menu options. The camera automatically sets the shutter speed and aperture (f-stop) based on the scene lighting.	Exposure compensation (how much light enters the camera), flash compensation, and ISO speed
A	**Aperture Priority** mode controls depth of field (the range of sharpness). The aperture setting may be affected by optical zoom.	Aperture, exposure compensation, flash compensation, and ISO speed
S	**Shutter Priority** mode controls shutter speed. The camera automatically sets the aperture for proper exposure. (To prevent blur, use a tripod for slow shutter speeds.)	Shutter speed, exposure compensation, and flash compensation
M	**Manual** mode offers the highest level of creative control. (To prevent blur, use a tripod for slow shutter speeds.)	Aperture, shutter speed, flash compensation, and ISO speed

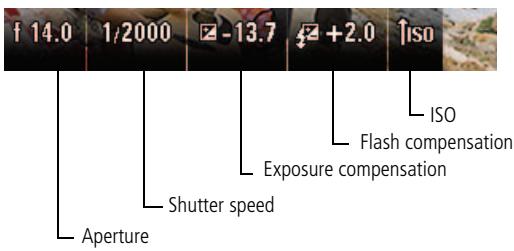
NOTE: Settings you change in P, A, S, or M modes apply only to pictures taken in those modes. The settings, including Flash, are maintained for P, A, S, and M modes—even when you change modes or turn off the camera. Use Reset Camera (page 45) to reset P, A, S, or M modes to their default settings.

Changing P, A, S, or M mode settings

PASM modes control the aperture (f-number, also known as f-stop), shutter speed, exposure compensation, flash compensation, and ISO. Use the Menu button to control all other settings.

1 Turn the Mode dial to P, A, S, or M.

2 Turn the Jog dial ◀ ▶ to choose a setting, then press it to edit the setting. Turn the Jog dial ◀ ▶ to change a setting, then press it to save it.



ISO—adjust the camera's sensitivity to light. Higher ISO indicates greater sensitivity.

NOTE: A higher ISO may produce unwanted "noise" in a picture. ISO 3200 and 6400 are available only in 3 MP and lower picture sizes. (In Smart Capture mode, ISO 1600 is the maximum.)

Flash Compensation—adjust flash brightness.

Exposure Compensation—adjust the exposure. If the scene is too light, decrease the setting; if it's too dark, increase the setting.

Shutter speed—control how long the shutter stays open. (Use a tripod for slow shutter speeds.)

Aperture—(also known as f-stop) control the size of the lens opening, which determines the depth of field.

- Smaller aperture numbers indicate a larger lens opening; good for low-light.
- Larger aperture numbers indicate a smaller lens opening; keeps the main subject sharp; good for landscapes and well-lit conditions.

Using exposure compensation to adjust brightness

In P, A, S, and Panorama modes, you can adjust exposure compensation before you take a picture to make your pictures darker or lighter. Only the first picture in Panorama mode can be adjusted—that adjustment is applied to the remaining pictures. (For more about the Jog dial and Exposure Compensation, see page 20.)

1. Turn the Jog dial ◀▶ to choose Exposure Compensation, then press it to edit the setting. Turn the Jog dial ◀▶ to change the setting, then press it to save it.

   An exposure compensation level is shown on the LCD or EVF, and the image gets darker or lighter.

2. Take the picture when you are satisfied with the exposure compensation level.

Using exposure compensation with exposure bracketing

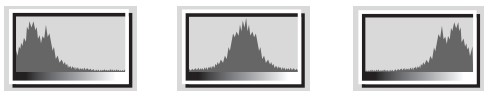
You can use exposure compensation in conjunction with exposure bracketing to get the best exposure.

If the exposure compensation is set to:	And if the exposure bracketing interval is set to 0.3 steps:	Then the exposures taken are:
0.0	Set the Exposure Bracketing Interval in the Capture menu (page 42).	–0.3, 0.0, +0.3
+1.0		+0.7, +1.0, +1.3
–1.0		–1.3, –1.0, –0.7

Using the histogram to view picture brightness

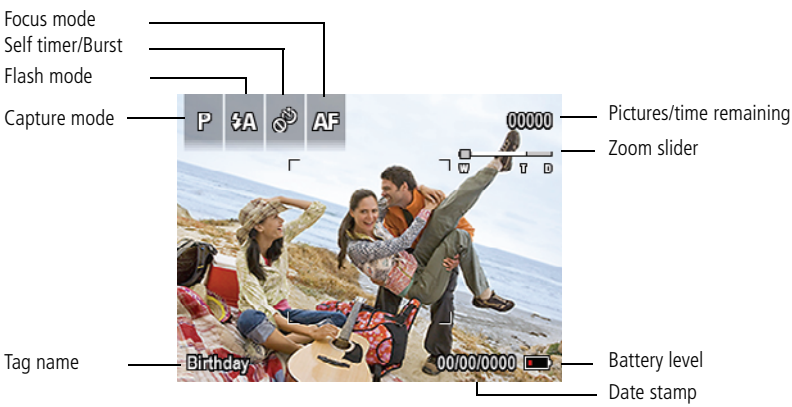
Use the histogram to evaluate the distribution of light before or after you take a picture. Optimal exposure is achieved when the peak is in the middle of the histogram. The flash may affect a picture's light and shadow.

In P, A, S, M modes, press the Menu button, then ▲▼ to choose Histogram. In Review, press Menu button, then ▲▼ to choose Properties.



Dark picture | Balanced picture | Bright picture

Understanding the picture-taking icons



Know when your batteries need charging

The battery level icon works like the gas gauge in your car, but appears only when the batteries require your attention. Charge the batteries when necessary.

Purchase extra batteries for your special event www.kodak.com/go/z981accessories

3 Sharing and tagging pictures

Sharing pictures through social networks

It's never been easier to share pictures on your favorite social networking sites.

IMPORTANT: *To use the camera's social networking features, you need to download KODAK Software.* *(See page 47.)*

1 Press the Review ▶ button, then ◀▶ to find a picture.

2 Press the Share button.

If it's your first time, a Help screen appears.

3 Press ▲▼ to choose a social networking site, then press OK.

A check mark appears. Repeat this step to choose more sites. (Press OK again to remove a check mark.)

4 Press ▲▼ to choose Done, then press OK.

The picture is displayed with the Share icon. When you transfer the picture to your computer, it will be sent to the networking site(s) that you chose.

Tip: Do you send pictures to the same sites each time?

Find a picture, then press and hold the Share button for about 1 second.
The camera applies the networking choice that you used previously and adds the Share icon to the picture.

Choose which social networking sites to display on your camera

You can show/hide social networking sites on your camera so that only your favorite sites appear.

1 In Review, press the Menu button.

2 Press ◀▶ to choose the Setup tab, then ▲▼ to choose Share Button Settings, then press OK.

3 Press ▲▼ to choose a social networking site, then press ◀▶ to choose Show or Hide. Repeat this step until you have chosen Show/Hide for each social network.

4 When finished, press ◀▶ to choose Done, then press OK.

To return to picture-taking mode, press the Shutter button halfway down. When you are in Review and press the Share button, only chosen sites are shown.

Manage email addresses and KODAK PULSE Digital Frames

You can add, edit, or delete email addresses and KODAK PULSE Digital Frames on your camera.

1 In Review, press the Share button. Press ▲▼ to choose Manage Email Addresses, then press OK.

2 To add an email address or Frame, press ▲▼ to choose Add Email or Add Frame, then press OK. Use the on-screen keyboard to make the addition. (Example: JohnDoe@domain.com)

To edit an email address or a KODAK PULSE Digital Frame, press ▲▼ to choose the address's nickname or the frame, then press OK. Use the on-screen keyboard to make edits.

To delete an email address or frame, choose Delete Email or Delete Frame then press OK. Press ▲▼ to choose the address or frames, then press OK so that a check mark appears. Press ▲▼ to choose Delete, then press OK.

3 When finished, press ▲▼ to choose Done, then press OK.

To return to picture-taking mode, press the Shutter button halfway down.

Tagging pictures

Tag pictures to make them easy to find, later. You can tag pictures in 2 ways:

- **People**, and then find all pictures of "Mary."
- **Keywords**, and then find all pictures from "Dad's 60th Birthday."

Tagging people

When you tag faces, your camera "learns" to recognize people by name. Then it matches names and faces in pictures you've taken *and* those you take in the future.

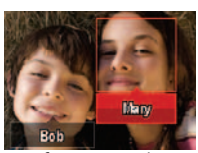
1 Press the Review button, then ◀▶ to find a picture that contains faces.

2 Press the Menu button. Press ▲▼ to choose Tag People, then press OK.

3 Press ▲▼ to choose Apply Tags, then press OK.

4 Press ▲▼ to choose an existing name, or New Name to add a new one (see Using the keyboard, page 27), then press OK.

If more than one face is detected, a name or question mark is assigned to each detected face. To resolve an incorrect name or a question mark, press ▲▼ to select a face, then press OK.



5 If prompted to Update People Tags, press ▲▼ to choose Yes, then press OK.

Other pictures are scanned and updated with the name(s) you applied here. Press ◀▶ to add names to other pictures. When finished, press ▲▼ to choose Done, then press OK. To return to picture-taking mode, press the Shutter button halfway down.

Tip: Are faces not always detected?
If a face is turned sideways, is too distant, or if the contrast between face and background is insufficient, then the camera might not detect the face.

Need to update a name?

What happens if you meet a new friend—James—but you already have pictures tagged with your old friend, James? You can:

- Tag the new James with "James Smith" and/or
- Update the old James to "James Monroe"

Here's how:

1. Press the Review button.
2. Press the Menu button. Press ▲▼ to choose Tag People, then press OK.
3. Press ▲▼ to choose Modify Names List, then press OK.
4. Press ▲▼ to choose the name you want to modify, then press OK.
5. Edit the name, choose OK, then press OK.

   To return to picture-taking mode, press the Shutter button halfway down.

Tip: You can have up to 20 active names.

Tagging with keywords

1. Press the Review button, then ◀▶ to find a picture to tag.
2. Press the Menu button. Press ▲▼ to choose Keyword Tag, then press OK.
3. Press ▲▼ to choose an existing keyword, or Enter New Keyword to add a new one. (See Using the keyboard, page 27.)
4. Press ◀▶ to add keywords to other pictures. When finished, choose Done, then press OK.

   To return to picture-taking mode, press the Shutter button halfway down.

Tip: You can pre-choose a tag so that new pictures are assigned that tag (see page 40).

Using the keyboard

The keyboard appears when you need to add names or keywords.

1 Press ◀▶▲▼ to choose a letter, then press OK.

2 When finished, press ▲▼ to choose OK, then press OK.

3 If you've added a new name, the camera prompts you to update all faces to match assigned names. Choose Yes, then press OK.

The name is assigned to all faces that match this one.

Tip: Here's another way to update pictures so that faces are matched to names:

1 Press the Review ▶ button.

2 Press the Menu ☰ button. Press ▲▼ to choose Tag People, then press OK.

3 Press ▲▼ to choose Update People Tags, then press OK.

Marking pictures/videos for emailing

It's simple to mark pictures so that they're ready to email when you transfer them to your computer. First, create a new email address. (See Using the keyboard.)

1 Press the Review ▶ button. Press ◀▶ to find a picture.

2 Press the Share button.

3 Press ▲▼ to choose Email, then press OK.

4 Press ▲▼ to find an email address, then press OK.

To mark other pictures/videos with the same address, press ◀▶, then press OK.

To send the pictures/videos to more than one address, repeat step 4.

To return to picture-taking mode, press the Shutter button halfway down.

When you transfer the marked pictures/videos to your computer, the software prompts you to send the pictures/videos. (For other software applications, refer to their documentation.)

To access your camera's Help system, see page 51.

4 Reviewing and editing

Reviewing pictures/videos

1. Press the Review ▶ button.
2. Press ◀▶ for previous/next picture/video.
   - To exit, press the Review button or press the Shutter button halfway down.
   - To view pictures/videos as thumbnails, press the Wide Angle (W) button. (For more information, see page 30.)

Find your pictures like a pro...
See A smarter way to find your pictures, page 31

Playing a video

Press OK to play a video. Press OK to pause/resume. During playback:

- Press ▲▼ to adjust the volume.
- Press ▶ to play at 2X speed; press again for 4X.
- Press ◀ to reverse at 2X speed; press again for 4X.

Deleting pictures/videos

1 Press the Review button.

2 Press ◀ ▶ for previous/next picture/video.

3 Press the Delete button, then follow the prompts.

NOTE: To delete protected pictures/videos, remove protection before deleting. (See Protecting pictures/videos from deletion, page 29.)

Using the undo delete picture feature

If you accidentally delete a picture, you may be able to use Undo Delete to retrieve it. This feature is only available immediately after you delete a picture.

Protecting pictures/videos from deletion

1 Press the Review button.

2 Press the Menu button.

3 Press ▲▼ to choose Protect, then press OK.

4 Press ▲▼ to choose Protect, then press OK.

A check mark indicates that the picture/video is protected. Clicking OK again removes the check mark. Press ◀ ▶ to protect other pictures/videos, or press ▲▼ to choose Done, then press OK.

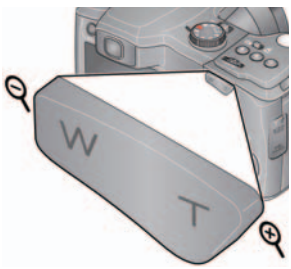
- Press the Menu button to exit the menu.

CAUTION:

Formatting internal memory or an SD or SDHC Card deletes all (including protected) pictures/videos. (Formatting internal memory also deletes email addresses and keyword tags.)

Viewing pictures/videos in different ways

Magnifying a picture



1. Press Telephoto (T) to magnify 1X–8X.
2. Press ◀ ▶ ▲ ▼ to view other parts of a picture.
   - Press OK to return to 1X.

Viewing as thumbnails (multi-up)

1. Press the Review [▶] button.

   The camera shows the last picture that was taken.

2. Press the Wide Angle (W) button to view pictures/videos as thumbnails. (Press it again to see more, smaller thumbnails.)

   To view all pictures/videos, choose the All tab.
   To sort by favorites, date, people, or tagged pictures/videos, press ◀ ▶ and choose the appropriate tab.

3. To see a single picture/video, press ◀ ▶ ▲ ▼ to choose it. Then press the Telephoto (T) button.
   - To select multiple pictures/videos, see page 35.
   - Press the Review button to exit Review.

A smarter way to find your pictures

Tag pictures—by people or keywords—to make them easy to find, later. For example, the camera can find all pictures that contain "Mary" or "Dad's 60th Birthday." (See Tagging people, page 25 or Tagging with keywords, page 26.)

1 Press the Review ▶ button.

2 Press the Wide Angle (W) button to view pictures by thumbnail (or choose View Thumbnails shortcut).

3 Press ◀ ▶ ▲ ▼ to choose a tab and sort pictures by All, Date, People, Favorite, or Keyword.

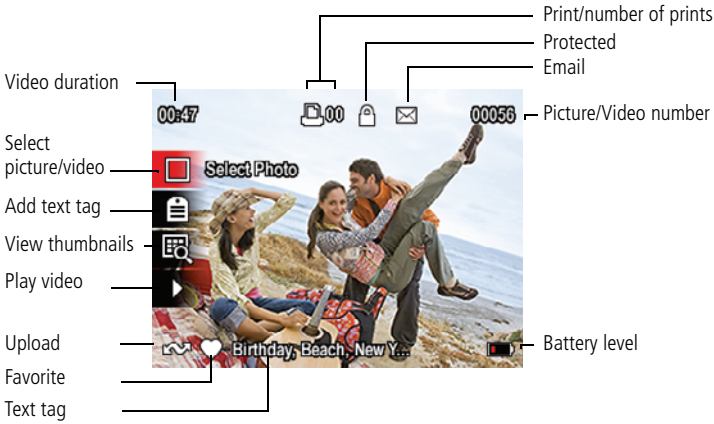
4 Press ◀ ▶ ▲ ▼ to choose a picture or picture stack.

Press Telephoto (T) see pictures in a stack or to see an individual picture. Press Wide Angle (W) to see thumbnails or picture stacks.

To return to picture-taking mode, press the Shutter button halfway down.

Tip: For best results, make sure the camera's date/time is current (see page 43).

Understanding the review icons



Creating a multimedia slide show

Use Multimedia Slide Show to display your pictures/videos on the LCD. You can play all pictures/videos, or select pictures to include in the slide show. You can customize your slide show to include music and your choice of transitions. You can even save a slide show.

NOTE: This feature is available for pictures that reside on a card, not in the camera's internal memory.

Make a slide show that you can save

1. Press the Review ▶ button. Select pictures (see page 35). If you choose no pictures, all are shown in the slide show.
2. Press the Menu ☰ button. If the Review tab is not highlighted, press ◀▶.
3. Press ▲▼ to choose Multimedia Slide Show, then press OK.
4. Press ▲▼ to choose Preview Slide Show, then press OK.

   Each picture/video is displayed once. To interrupt the slide show, press OK. After the slide show plays, you may save or modify it.

To access your camera's Help system, see page 51.

Play a slide show loop

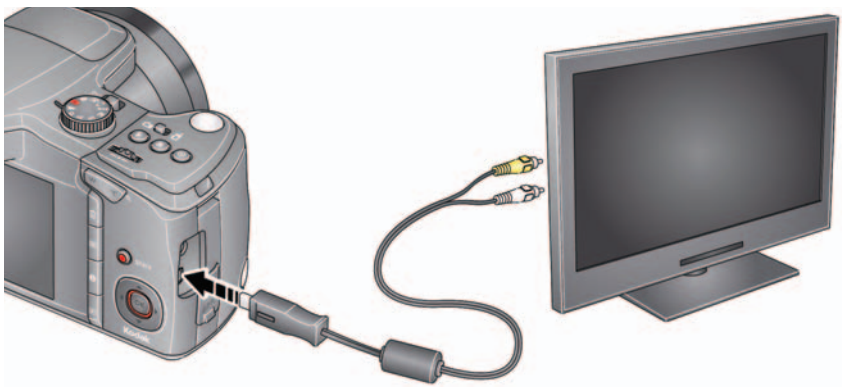
When you turn on Loop, the slide show is continuously repeated.

1. On the Multimedia Slide Show menu, press ▲▼ to choose Loop, then press OK.
2. Press ▲▼ to choose On, then press OK.
3. Press ▲▼ to choose Preview Slide Show, then press OK.

   The slide show repeats until you press OK or until the batteries are exhausted.

Displaying pictures/videos on a television

You can display pictures/videos on a television, computer monitor, or any device equipped with a video input. To connect the camera directly to a television, use an A/V cable (may be sold separately).



Purchase accessories	www.kodak.com/go/z981accessories

NOTE: Ensure that the Video Out setting (NTSC or PAL) is correct (see page 45). The slide show stops if you connect or disconnect the cable while the slide show is running. (Image quality on a television screen may not be as good as on a computer monitor or when printed.)

Using the menu button in review

1 Press the Review button, then the Menu button.

2 Press ◀ ▶ to choose a tab:

- **Review**
- **Edit**
- **Setup**

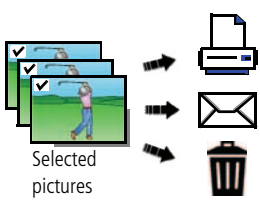
3 Press ▲ ▼ to choose a setting, then press OK.

4 Choose an option, then press OK.

To access your camera's Help system, see page 51.

Selecting multiple pictures/videos

Use the multi-select feature when you have two or more pictures to print, share, delete, protect/unprotect, tag with keyword, etc. Multi-select is used most effectively when viewing thumbnails (see page 30).



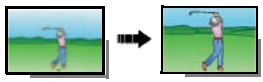
1 Press the Review button, then ◀ ▶ (and ▲ ▼ if you're in multi-up mode) to find a picture/video.

2 Press OK to select pictures/videos.

A check mark appears on the picture. (Press OK again to remove a check mark.) You can now print, transfer, delete, etc. the selected pictures.

Cropping pictures

You can crop a picture so that only the desired portion of the picture remains.



Picture Cropped picture

1 Press the Review button, then ◀ ▶ to find a picture to crop.

2 Press the Menu button, then ◀ ▶ to choose the Edit tab. Choose Crop, then press OK.

3 Press Telephoto (T) to shrink the crop area or Wide (W) to stretch it. Press ◀ ▶ ▲ ▼ to move the crop box. When satisfied with the crop box, press OK.

4 Follow the screen prompts.

The picture is cropped. (The original is saved.) Cropped pictures cannot be cropped again on the camera.

- Press the Shutter button halfway down to return to Capture mode.

To access your camera's Help system, see page 51.

Copying pictures/videos

You can copy pictures/videos from a card to internal memory or from internal memory to a card.

Copy pictures/videos:

1 Press the Review button, then ◀ ▶ to find a picture. (You can also use multi-select. See "Selecting multiple pictures/videos" on page 35.)

2 Press the Menu button, then ◀ ▶ to choose the Edit tab.

3 Press ▲ ▼ to choose Copy, then press OK. Choose an option, then press OK.

NOTE: Pictures/videos are copied, not moved. To remove pictures/videos from the original location after copying, delete them (see page 29).

To access your camera's Help system, see page 51.

Using KODAK PERFECT TOUCH Technology

KODAK PERFECT TOUCH Technology helps ensure better, brighter pictures. PERFECT TOUCH Technology is automatically applied to pictures taken in Smart Capture mode. (You cannot enhance videos, panoramic pictures, or pictures that are already enhanced.)

1. Press the Review button, then ◀ ▶ to find a picture.
2. Press the Menu button, then ◀ ▶ to highlight the Edit tab.
3. Press ▲ ▼ to choose Perfect Touch tech, then press OK.

   A preview is shown in a split screen. Press ◀ ▶ to view other parts of the picture.
4. Press OK. Follow the screen prompts to replace the original picture or to save the enhanced picture as a new one.

- Press the Menu button to exit the menu.

To access your camera's Help system, see page 51.

Using the RAW Develop feature

In P, A, S, M, Sport, Portrait, and SCN modes, you can take pictures as the RAW file type. A RAW file is not compressed, offers greater dynamic range, and contains more color information. The RAW Develop feature lets you develop, edit (picture size, quality, exposure compensation, color mode, sharpness, and white balance), and save RAW files as Fine, Standard, or Basic. (The original RAW file is preserved.)

You can edit RAW files in KODAK EASYSHARE Software.

1 Press the Review button, then ◀ ▶ to find a picture.

2 Press the Menu button, then ◀ ▶ to highlight the Capture tab.

3 Press ▲ ▼ to choose RAW File Develop, then press OK.

4 Press ▲ ▼ to choose options and to make adjustments:

- Picture Quality
- File Type
- Exposure Compensation
- Color Mode
- Sharpness
- White Balance

5 When finished, press ▲ ▼ to choose Develop RAW File, then press OK.

To access your camera's Help system, see page 51.

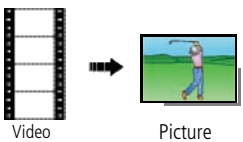
Editing videos

You can do incredible things with your videos.

NOTE: This feature is available for pictures that reside on a card, not in the camera's internal memory.

Making a picture from a video

You can choose a single frame from a video, then make a picture suitable for a 4 x 6-inch (10 x 15 cm) print.



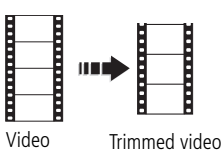
1. Press the Review button, then ◀ ▶ to find a video.
2. Press the Menu button, then ◀ ▶ to choose the Edit tab. Choose Make Picture, then press OK.
3. Follow the screen prompts.

   A picture is created. (The original video is saved.)

To access your camera's Help system, see page 51.

Trimming a video

You can remove an unwanted start or end from a video, saving only the desired portion.



1. Press the Review button, then ◀ ▶ to find a video.
2. Press the Menu button, then ◀ ▶ to choose the Edit tab. Choose Trim, then press OK.
3. Follow the screen prompts.

   The video is trimmed. (You can save it as a new video or replace the original.)

   - Press the Shutter button halfway down to return to Capture mode.

5 Doing more with your camera

To access your camera's Help system, see page 51.

Using the menu button to change settings

You can change settings to get the best results from your camera.

NOTE: Some modes offer limited settings. Some settings remain until you change them; others, until you change modes or turn off the camera.

1 Press the Menu button.

2 Press ◀ ▶ to choose a tab:

- **Capture/Video** for the most common picture- and video-taking settings
- **Setup** for other camera settings

3 Press ▲ ▼ to choose a setting, then press OK.

4 Choose an option, then press OK.

Using the capture tab

Setting	More information
Picture Size Choose a picture resolution.	See Camera Specifications, starting on page 58.
Preset Keyword Tag Create keyword names and assign them to pictures/videos. See page 26.	**New Keyword** **Delete Keyword**

Setting	More information
Color Mode Choose color tones. Unavailable in Video mode.	**High Color** **Natural Color** **Low Color** **Black & White** **Sepia—**For a reddish-brown, antique look.
Picture Quality Choose how much compression is applied to pictures. Not available in Smart Capture mode.	**Fine—**least compression; best quality and largest file size. **Standard—**medium compression; medium quality and medium file size. **Basic—**most compression; lowest quality, and smallest file size. **RAW—**unprocessed image data in its original state (to which white balance, contrast, etc. have not been applied). You can use the RAW Develop feature to create a JPG copy for printing (see page 38).
White Balance Choose your lighting condition. (Available only in Program and Panorama modes.)	**Auto—**Automatically corrects white balance. Ideal for general picture taking. **Daylight—**For pictures in natural lighting. **Tungsten—**Corrects the orange cast of incandescent light bulbs. Ideal for indoor pictures under tungsten or halogen lighting without flash. **Fluorescent—**Corrects the green cast of fluorescent lighting. Ideal for indoor pictures under fluorescent lighting without flash. **Open Shade—**For pictures in shade in natural lighting.

Setting	More information
Face Detect Choose if faces get focuspriority. (Not available in modes where faces already get focus priority.)	**On—**The camera attempts to focus on faces. **Off**
Exposure Metering Evaluate light levels at specific areas of a scene.	**Multi-Pattern—**Evaluates 5 zones to give an even picture focus. Ideal for general picture taking. **Center-Weight—**Evaluates the small area centered in the lens. Ideal for focusing on a precise area. **Spot—**Similar to Center-Weight, except the metering is concentrated on a smaller area of the subject centered in the LCD or EVF.
AF Zone Select a large or concentrated area of focus.	**Multi-zone—**Evaluates 5 zones to give an even picture focus. Ideal for general picture taking. **Center-zone—**Evaluates the small area centered in the LCD. Ideal when precise focus of a specific area in the picture is needed. **Selectable-zone—**Press ◀ ▶ ▲ ▼ to choose the focus area.
AF Control (Still) Choose an auto-focus setting.	**Continuous AF—**Because the camera is always focusing, there is no need to press the Shutter button halfway down to focus. **Single AF—**Focuses when the Shutter button is pressed halfway down. (This setting uses less battery power.)
Exposure Bracketing Interval Choose the difference in exposure compensation while using exposure bracketing. Available only in P/M mode.	**Off** **+/- 0.3 EV** **+/- 0.7 EV** **+/- 1.0 EV** See page 21.

Setting	More information
Sharpness Control picture sharpness or softness.	**High** **Normal** **Low**
Contrast Control picture contrast.	**High** **Normal** **Low**

Video settings

To access your camera's Help system, see page 51.

Setting	More information
AF Control (Video) Choose an auto-focus setting.	**Continuous AF—**Camera is always focusing. **Single AF—**Camera focuses once, when the Shutter button is pressed.
Video Size	See Camera Specifications, starting on page 58.

Using the Setup menu

Use Setup to customize other camera settings.

To access your camera's Help system, see page 51.

Setting	More information
Date & Time	Set date and time.
Advanced Digital Zoom Zoom using optical, then digital zoom. Not available in Smart Capture mode.	**Pause—**Zooming pauses at the optical zoom maximum. To use digital zoom, release then press the Telephoto (T) zoom button. **None—**Digital zoom is off.

Setting	More information
LCD Brightness Choose LCD brightness during picture/video capture. (During Review, the LCD is set to High Power.)	**Auto—**LCD brightness is automatically adjusted according to environment. **High Power—**Brighter LCD; uses more battery power. **Power Save—**Dimmer LCD; uses less power.
Share Button Settings Choose what is displayed when the Share button is pressed in Review.	Show or hide: ■ Individual social networking sites ■ E-mail addresses (all or none) and KODAK PULSE Digital Frames
Red-eye Reduction The Red-eye flash fires automatically before a picture is taken.	**Preflash—**The flash fires to reduce the chance of red-eye. **Digital correction—**The camera digitally corrects red-eye after a picture is taken. (Processing time after taking a picture may increase.)
Orientation Sensor Orient pictures so that they are displayed with the correct side up.	**On—**The camera rotates pictures so that all appear in the same orientation on the camera. **On Transfer—**The camera rotates pictures when they are transferred to your computer. **Off—**Pictures are not rotated.
Camera Sounds Choose volume, and choose sound effects for each function.	**Exit On** **Volume** **Power On** **Focus Lock** **Shutter** **Error** **Self-timer**

Setting	More information
Capture Frame Grid Use the frame grid to divide the LCD screen into thirds, vertically and horizontally.	**On** **Off**
Video Out Choose the regional setting that lets you connect the camera to a television or other external device.	**NTSC—**Used in North America and Japan; most common format. **PAL—**Used in Europe and China.
Image Storage Choose a storage location for pictures/videos.	**Auto—**The camera uses the card if one is in the camera. If not, the camera uses internal memory. **Internal Memory—**The camera always uses internal memory, even if a card is installed.
Date Stamp Imprint the date on pictures.	**On** **Off**
Image Stabilizer Choose if image stabilization is on or off.	**On** **Off**
Quickview Show a picture/video as soon as it is taken.	**On** **Off**
Language	Choose your language.
Reset Camera Reset settings to their default.	**Reset All Camera Settings—**Settings revert to their factory defaults. **Reset Startup Application—**Resets camera to startup mode to allow KODAK Software download (page 47).

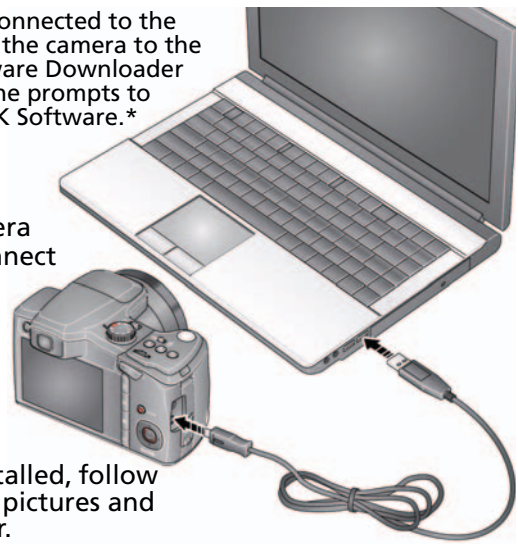
Setting	More information
Format **CAUTION:** **Formatting deletes all pictures/videos, including those that are protected. Removing a card during formatting may damage the card.**	**Memory Card—**Deletes everything on the card; formats the card. **Exit—**Exits without making a change. **Internal Memory—**Deletes everything in internal memory including email addresses and keyword tags; formats the internal memory.
About View camera information.	

6 Transferring, printing pictures

Transferring pictures to your computer

Download KODAK Software—so it's easy to transfer and share pictures and videos.

Make sure the computer is connected to the Internet. When you connect the camera to the computer, the KODAK Software Downloader automatically runs. Follow the prompts to download and install KODAK Software.*



1. Turn off the camera.
2. Use the KODAK Camera USB Cable, U-8 to connect camera to computer. (Use only the cable included with this camera!)
3. Turn on the camera.

After the software is installed, follow the prompts to transfer pictures and videos to your computer.

* If the downloader does not run, find and launch it:
  - WINDOWS OS: in My Computer
  - MAC OS: on your Desktop

NOTE: You can also use a card reader to transfer your pictures/videos.

Download KODAK Software later	www.kodak.com/go/camerasw
To use this camera on more than one computer, use the camera's Reset Startup Application feature	See page 45

Printing pictures

Direct printing with a KODAK All-in-One Printer

Your camera is compatible with PICTBRIDGE Technology, so you can print directly to PICTBRIDGE enabled Printers. You need a camera, a PICTBRIDGE enabled Printer, and a USB cable.

Connecting the camera to a KODAK All-in-One Printer

1 Turn off the camera and printer.

2 Connect the appropriate USB cable from the camera to the printer.

Printing from a KODAK All-in-One Printer

1 Turn on the printer. Turn on the camera.

The PictBridge logo is displayed, followed by the current picture and menu. (If no pictures are found, a message is displayed.) If the menu turns off, press any button to redisplay it.

2 Choose a printing option, then press OK.

Current Picture—Press ◀ ▶ to choose a picture.

Tagged Pictures—If your printer is capable, print pictures that you marked for printing.

Index Print—Print thumbnails of all pictures. (This option requires one or more sheets of paper.)

All Pictures—Print all pictures in internal memory or on a card.

Image Storage—Access Auto or Internal Memory.

NOTE: During direct printing, pictures are not permanently transferred or saved to the printer. To transfer pictures to your computer, see page 47.

Purchase cables, accessories www.kodak.com/go/z981accessories

Disconnecting the camera from a KODAK All-in-One Printer

1 Turn off the camera and printer.

2 Disconnect the USB cable from the camera and the printer.

Ordering prints online

KODAK Gallery (www.kodakgallery.com) makes it easy to:

- Upload your pictures.
- Edit, enhance, and add borders to your pictures.
- Store pictures, and share them with family and friends.
- Have prints, photo greeting cards, frames, and albums delivered to your door.

Printing from an optional SD or SDHC Card

- Automatically print tagged pictures when you insert your card into a printer with an SD/SDHC Card slot. See your printer user's guide for details.
- Make prints at an SD/SDHC Card-capable KODAK Picture Kiosk. Visit www.kodak.com/go/picturemaker.
- Take the card to your local photo retailer for professional printing.

Marking your pictures for print

1 Press the Review button. Press ◀ ▶ to find a picture.

2 Press the Menu button.

3 Press ▲▼ to choose Print, then press OK.

4 Press ▲▼ to choose the number of copies, then press OK

- Press the Shutter button halfway down to return to Capture mode.

When you transfer the marked pictures/videos to your computer, the software prompts you to print the pictures/videos. (For other software applications, refer to their documentation.)

To access your camera's Help system, see page 51.

7 Troubleshooting

Getting help from your camera

You want the most from your camera. You want to understand:

- What it can do for you
- And how to take the best possible pictures and videos

Great news!

Your camera offers a built-in Help system. It describes every setting for every menu choice. If you learn nothing else about your camera, learn how to use on-camera Help.

Turning on camera Help

1. Press the Menu button, then highlight a menu choice.
2. Press the Info button.

▲▼ Scroll through a Help topic.

Troubleshooting

Camera problems

Status	Solution
Camera does not turn on	■ Charge rechargeable batteries (see page 1). ■ Remove then reinsert or replace batteries. If the camera still does not function, go to www.kodak.com/go/z981support and select Interactive Troubleshooting & Repairs.
Camera does not turn off	
Camera buttons and controls do not function	
Camera freezes up when a card is inserted or removed.	■ Turn the camera off, then back on. Make sure the camera is turned off before inserting or removing a card.
LCD is too dark.	■ Adjust the LCD Brightness setting (see page 44).
In Review, a blue or black screen is displayed instead of a picture	■ Transfer the picture to the computer (see page 47), then format the card or internal memory. ■ Take another picture.
In Review, you do not see a picture (or the expected picture) on the LCD	■ Check the image storage location (see page 45). Format the card in the camera (see page 46) **Caution: Formatting a card deletes all pictures and videos, including protected files.**
Pictures remaining number does not decrease after taking a picture	■ Continue taking pictures. The camera is operating normally. (The camera estimates the number of pictures remaining after each picture is taken, based on picture size and content.)
Flash does not fire	■ Check the flash setting, and change as needed (see page 14). NOTE: The flash does not fire in all modes.

Status	Solution
Memory card is almost or entirely full	■ Transfer the pictures to the computer (see page 47). ■ Delete pictures from the card (see page 29) or insert a new card.
The Reset Camera feature did not take effect.	■ After using the Reset Camera feature (see page 45), turn the camera off and then on again.
Battery life is short	■ Make sure the correct battery type is installed (see page 61). ■ Charge the batteries (see page 1). ■ Use a power-saving LCD Brightness setting (see page 44).
Shutter button does not work.	■ Turn on the camera (see page 3). ■ Transfer pictures to the computer (see page 47), delete pictures from the camera (see page 29), switch image storage locations (see page 45), or insert a card with available memory (see page 6).
Memory card not recognized or camera freezes with card	■ Card may be corrupted. Format the card in the camera (see page 46). **Caution: Formatting a card deletes all pictures and videos, including protected files.** ■ Use another memory card. Only SD or SDHC Cards are supported.
Pictures on card (or in internal memory) are corrupted	■ Retake pictures. ■ Do not remove card while the camera is on. ■ Keep rechargeable batteries charged. ■ Transfer pictures to the computer (see page 47), then format the card or internal memory (see page 46). **Caution: Formatting a card deletes all pictures and videos, including protected files.**
Cannot find the desired picture/video	■ To view pictures on a card or in internal memory, see page 28.

Computer/connectivity problems

Status	Solution
Slide Show does not run on an external video device	■ Adjust the camera Video Out setting to NTSC or PAL (see page 45). ■ Make sure the external device settings are correct. (See the device's user guide.)
Computer does not communicate with the camera	■ Turn off the camera, then turn it back on. ■ Make sure the batteries are charged and installed correctly (see page 1). ■ Make sure the KODAK Camera USB Cable, U-8 is connected to the camera and the computer (see page 47). Then turn on the camera. ■ See KODAK Software Help at www.kodak.com/go/camerasw.

Picture quality problems

Status	Solution
Picture is not clear	■ To automatically set exposure and focus, press the Shutter button **halfway**. When the framing marks turn green, press the Shutter button **completely down** to take the picture. ■ Clean the lens (see page 60). ■ Make sure the camera is not in Macro mode (see page 17). ■ Place the camera on a flat, steady surface or use a tripod (especially in high-zoom settings or in low light). ■ Use a larger picture size (see page 40). ■ If you're manually adjusting the ISO speed, realize that high ISO setting may cause grainy pictures.

Status	Solution
Picture is too dark	■ Reposition the camera for more available light. ■ Use Fill flash (see page 14) or change your position so light is not behind the subject. ■ Move so that the distance between you and the subject is within the effective flash range. (See Camera Specifications, starting on page 58.) ■ To automatically set exposure and focus, press the Shutter button **halfway**. When the framing marks turn green, press the Shutter button **completely down** to take the picture. ■ In Program mode, adjust the Exposure Compensation (see page 21).
Picture is too light	■ Reposition the camera to reduce the amount of available light. ■ Turn the flash off (see page 14). ■ Move so that the distance between you and the subject is within the effective flash range. (See Camera Specifications, starting on page 58.) ■ To automatically set exposure and focus, press the Shutter button **halfway**. When the framing marks turn green, press the Shutter button **completely down** to take the picture. ■ In Program mode, adjust the Exposure Compensation (see page 21).
Pictures that have KODAK PERFECT TOUCH Technology applied (twice) are of lower image quality.	■ If PERFECT TOUCH Technology has been applied to a picture on the camera, do not apply it again when the picture is on the computer (or on a KODAK Picture Kiosk). NOTE: PERFECT TOUCH Technology is automatically applied to Pictures taken in Smart Capture mode.

Direct printing (PICTBRIDGE enabled printer) problems

Status	Solution
Cannot find the desired picture	■ Use the Direct printing menu to change the image storage location.
The Direct printing menu interface turns off	■ Press any camera button to redisplay the menu.
Cannot print pictures	■ Make sure there is a connection between the camera and the printer (see page 48). ■ Make sure the printer and the camera have power.
Camera or printer displays an error message	■ Follow the prompts to resolve the issue.

Getting help on the Web

Camera

Get support for your product (FAQs, troubleshooting information, arrange for repairs, etc.)	www.kodak.com/go/z981support
See step-by-step solutions and repair information	www.kodak.com/go/itg
Purchase camera accessories	www.kodak.com/go/z981accessories
Download the latest camera firmware and software	www.kodak.com/go/z981downloads
See online demonstrations of your camera	www.kodak.com/go/howto
Register your camera	www.kodak.com/go/register
Chat, email, write, or phone Kodak (Chat not available in all languages)	www.kodak.com/go/contact

Software

Download and get Help with other KODAK Software	www.kodak.com/go/camerasw
Download KODAK EASYSHARE Software	www.kodak.com/go/easysharesw (or see Help in EASYSHARE Software)
Get help with the WINDOWS OS and working with digital pictures	www.kodak.com/go/pcbasics

Other

Get support for cameras, software, accessories, more	www.kodak.com/go/support
Get information on KODAK All-in-One Printers	www.kodak.com/go/inkjet

8 Appendix

Camera specifications

CCD—1/2.33-type

Effective pixels—14 MP (4368 x 3256)

LCD—7.6 cm (3.0 in.) LCD; 230K pixels; 4:3 aspect ratio

Image storage—Optional SD/SDHC Card (The SD logo is a trademark of the SD Card Association.) Maximum supported card size: 32 GB

Internal storage capacity—64 MB internal memory (42.4 MB available for image storage. 1 MB equals one million bytes.)

Lens—26–676 mm (35 mm equivalent) f/2.8–5 lens (26X optical zoom)

Digital zoom—5X continuous

Focus system—TTL-AF (through-the-lens auto focus); Multi-Zone AF, Center-Zone AF, Face Priority AF, Manual Focus. Working range:

0.7 m (2.3 ft)–infinity @ wide, normal
2.5 m (8.2 ft)–infinity @ telephoto, normal
0.1–1.0 m (0.3–3.3 in.) @ wide, macro mode
1.7–3 m (5.6–9.8 ft) @ telephoto, macro mode
1–30 cm (0.4–11.8 in.) @ super macro mode

Viewfinder—Electronic

Auto focus control—Continuous and Single AF

Face detection—Yes

Face recognition—Yes

Shutter speed—16–1/2000 seconds

ISO speed—Full resolution: ISO 64–1600
3 MP and lower: ISO 64–6400

Exposure metering—TTL-AE; Face Priority, Selectable-Zone, Multi-Zone, Center-Zone

Exposure compensation—+/-2.0 EV with 1/3 EV step

White Balance—Auto, Daylight, Tungsten, Fluorescent, Open Shade

Electronic Flash—Auto flash; Auto, Fill, Red Eye, Off; Guide No. 9 (m); working range @ ISO 100 in Smart Capture mode with Red-eye Reduction off: 6.2 m (20.3 ft) @ wide; 3.5 m (11.5 ft) @ telephoto

Self-timer mode—10-seconds, 2-seconds, 2-shot timer

Burst mode—Normal burst: up to 3 pictures @ 0.9fps; high-speed burst: up to 9 pictures @ 8 fps (3 MP)

Capture modes—Smart Capture, Portrait, Sport, Program, Aperture Priority, Shutter Priority, Manual, Panorama, Scene modes, Video

Image file format—

Still: EXIF 2.21 (JPEG compression) and RAW; file organization DCF
Video: QUICKTIME (Video: H.264; audio: AAC)

Picture size—14 MP (4:3): 4288 x 3216 pixels
12 MP (3:2): 4288 x 2848 pixels
10 MP (16:9): 4288 x 2416 pixels
6 MP (4:3): 2382 x 2128 pixels
3 MP (4:3): 2048 x 1536 pixels
2 MP (16:9): 1920 x 1080 pixels
1 MP (4:3): 1280 x 960 pixels

Picture quality—Fine, Standard, Basic, RAW

Color modes—High Color, Natural Color, Low Color, Black & White, Sepia

Sharpness modes—High, Normal, Low

Video capture—HDV (1280 x 720 @ 30 fps): maximum 29 minutes
VGA (640 x 480 @ 30 fps): maximum 4 GB

Communication with computer—USB 2.0 high speed (PIMA 15740 protocol); via KODAK Camera USB Cable, U-8

Video output—NTSC or PAL

Microphone—Yes

Speaker—Yes

PICTBRIDGE support—Yes

Power—4 KODAK Ni-MH Pre-Charged Rechargeable Batteries AA; KODAK 5-Volt AC Adapter

Tripod mount—1/4 inch

Size—123.7 x 84.9 mm x 105 mm (4.9 x 3.3 x 4.1 in.) @ power off

Weight—530 g (18.7 oz) including battery, SD Card, and lens cap

Operating temperature—0–40° C (32–104° F)

Care and maintenance

- If you suspect water has gotten inside the camera, remove the batteries and card. Allow all components to air-dry for at least 24 hours before using the camera.
- Blow gently on the lens or LCD to remove dust and dirt. Wipe gently with a soft, lint-free cloth or an untreated lens-cleaning tissue. Do not use cleaning solutions unless designed specifically for camera lenses. Do not allow chemicals, such as suntan lotion, to contact painted surfaces.
- Service agreements may be available in your country. Contact a dealer of KODAK Products for more information.
- For digital camera disposal or recycling information, contact your local authorities. In the US, visit the Electronics Industry Alliance site at www.eiae.org or www.kodak.com/go/z981support.

Upgrading your software and firmware

Download the latest versions of KODAK Software and the camera firmware (the software that runs on the camera). Check occasionally at www.kodak.com/go/z981downloads.

Storage capacities

The LCD displays the approximate number of pictures (or minutes/seconds of video) remaining. For average SD Card capacities, go to www.kodak.com/go/SDcapacities. Actual storage capacity varies depending on subject composition, card size, and other factors. You may be able to store more or fewer pictures and videos.

Battery replacement, battery life

KODAK Ni-MH Pre-Charged Rechargeable Batteries AA (2100 mAh): 450–500 pictures. Battery life per CIPA testing method using 128 MB SD Card. Approximate number of pictures in Smart Capture mode. Actual life may vary based on usage.

Extending battery life

- Use the EVF instead of the LCD (see page 8). Use a power-saving LCD Brightness setting (see page 44).
- Charge the batteries when necessary.
- Dirt on the battery contacts can affect battery life. Wipe the contacts with a clean, dry cloth before loading the batteries in the camera.
- Battery performance is reduced at temperatures below 41° F (5° C). When using your camera in cold weather, carry spare batteries and keep them warm. Do not discard cold batteries that do not work; when they return to room temperature, they may be usable.

Important safety instructions

CAUTION:

Do not disassemble this product; there are no user-serviceable parts inside. Refer servicing to qualified service personnel. KODAK AC Adapters and Battery Chargers are intended for indoor use only. The use of controls, adjustments, or procedures other than those specified herein may result in exposure to shock and/or electrical or mechanical hazards. If the LCD breaks, do not touch the glass or liquid. Contact Kodak customer support.

- The use of an accessory that is not recommended by Kodak may cause fire, electric shock, or injury. For approved accessories, visit www.kodak/go/accessories.
- Use only a USB-certified computer equipped with a current-limiting motherboard. Contact your computer manufacturer if you have questions.
- If using this product in an airplane, observe all instructions of the airline.
- When removing the batteries, allow them to cool; they may be hot.
- Follow all warnings and instructions supplied by the battery manufacturer.
- Use only batteries approved for this product to avoid risk of explosion.
- Keep batteries out of the reach of children.
- Do not allow batteries to touch metal objects, including coins. Otherwise, a battery may short circuit, discharge energy, become hot, or leak.
- Do not disassemble, install backward, or expose batteries to liquid, moisture, fire, or extreme temperature.
- Remove the batteries when the product is stored for an extended period of time. In the unlikely event that battery fluid leaks inside the product, contact Kodak customer support.
- In the unlikely event that battery fluid leaks onto your skin, wash immediately with water and contact your local health provider. For additional health-related information, contact your local Kodak customer support.

- Go to www.kodak.com/go/reach for information about the presence of substances included on the candidate list according to article 59(1) of Regulation (EC) No. 1907/2006 (REACH).
- Dispose of batteries according to local and national regulations. Visit www.kodak.com/go/kes.
- Do not charge non-rechargeable batteries.

  For more information on batteries, visit www.kodak.com/go/batterychart.

Limited warranty

Kodak warrants its digital cameras and accessories (excluding batteries) to be free from malfunctions and defects in both materials and workmanship for the warranty period specified on your KODAK Product packaging. Retain the original dated sales receipt. Proof of purchase date is required with any request for warranty repair.

Limited warranty coverage

Warranty service is only available from within the country where the Products were originally purchased. You may be required to ship Products, at your expense, to the authorized service facility for the country where the Products were purchased. Kodak will repair or replace Products if they fail to function properly during the warranty period, subject to any conditions and/or limitations stated herein. Warranty service will include all labor as well as any necessary adjustments and/or replacement parts. If Kodak is unable to repair or replace a Product, Kodak will, at its option, refund the purchase price paid for the Product provided the Product has been returned to Kodak along with proof of the purchase price paid. Repair, replacement, or refund of the purchase price are the sole remedies under the warranty. If replacement parts are used in making repairs, those parts may be remanufactured, or may contain remanufactured materials. If it is necessary to replace the entire Product, it may be replaced with a remanufactured Product. Remanufactured Products, parts and materials are warranted for the remaining warranty term of the original Product, or 90 days after the date of repair or replacement, whichever is longer.

Limitations

This warranty does not cover circumstances beyond Kodak's control. This warranty does not apply when failure is due to shipping damage, accident, alteration, modification, unauthorized service, misuse, abuse, use with incompatible accessories or attachments (such as third party ink or ink tanks), failure to follow Kodak's operation, maintenance or repacking instructions, failure to use items supplied by Kodak (such as adapters and cables), or claims made after the duration of this warranty. Kodak makes no other express or implied warranty for this product. In the event that the exclusion of any implied warranty is ineffective under the law, the duration of the implied warranty will be the length of the express warranty period specified on your Kodak product packaging. The option of repair, replacement, or refund is Kodak's only obligation. Kodak will not be responsible for any special, consequential or incidental damages resulting from the sale, purchase, or use of this product regardless of the cause. Liability for any special, consequential or incidental damages (including but not limited to loss of revenue or profit, downtime costs, loss of the use of the equipment, cost of substitute equipment, facilities or services, or claims of your customers for such damages resulting from the purchase, use, or failure of the Product), regardless of cause or for breach of any written or implied warranty is expressly disclaimed.

Your rights

Some states or jurisdictions do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states or jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific rights, and you may have other rights which vary from state to state or by jurisdiction.

Outside the United States and Canada

In countries other than the United States and Canada, the terms and conditions of this warranty may be different. Unless a specific Kodak warranty is communicated to the purchaser in writing by a Kodak company, no warranty or liability exists beyond any minimum requirements imposed by law, even though defect, damage, or loss may be by negligence or other act.

Regulatory compliance

FCC compliance and advisory

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 or 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: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for additional suggestions. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulation.

Waste Electrical and Electronic Equipment/Battery disposal

In Europe: For human/environmental protection, it is your responsibility to dispose of this equipment and batteries at a collection facility established for this purpose (separate from municipal waste.) For more information, contact your retailer, collection facility, or appropriate local authorities; or visit www.kodak.com/go/recycle. Product weight: 530 g (18.7 oz) including battery, SD Card, and lens cap

Canadian DOC statement

DOC Class B Compliance—This Class B digital apparatus complies with Canadian ICES-003.

Observation des normes-Classe B—Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CE

Hereby, Eastman Kodak Company declares that this KODAK Product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Russian GOST-R

Eastman Kodak Company
Rochester, NY 14650
Фотокамера изготовлена в Китае; остальные элементы -
АЮ-40 в соответствии с маркировкой.

Australian C-Tick

N137

VCCI Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

Korean Class B ITE

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

China RoHS

环保使用期限 (EPUP)

在中国大陆，该值表示产品中存在的任何危险物质不得释放，以免危及人身健康、财产或环境的时间期限（以年计）。该值根据说明中所规定的产品正常使用而定。

(Environmental Protection Use Period (EPUP) - In China, this number indicates the time period (in years) within which any hazardous substances present in the product are not expected to be released such that there is risk to human health, property, or the environment. This value is assigned based on normal use of the product as described in the operating instructions.)

Product Disclosure Table

有毒有害物质或元素名称及含量标识表
table of hazardous substances' name and concentration

部件名称 (Component name)	有毒有害物质或元素 hazardous substances' name					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
数码相机电路板元件 (Digital Camera circuit board components)	×	O	O	O	O	O
充电电池 (Rechargeable Battery)	×	O	O	O	O	O
电池充电器电路板元件 (Battery Charger circuit board components)	×	O	O	O	O	O

O：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006规定的限量要求。

O : indicates hazardous substance concentration lower than MCV
×: indicates hazardous substance concentration higher than MCV

USB 数据线 (USB Cable)

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