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# KODAK EASYSHARE Camera / Z5120



## Extended user guide

[www.kodak.com](http://www.kodak.com)

[www.kodak.com/go/Z5120support](http://www.kodak.com/go/Z5120support)



Eastman Kodak Company  
Rochester, New York 14650  
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All screen images are simulated.

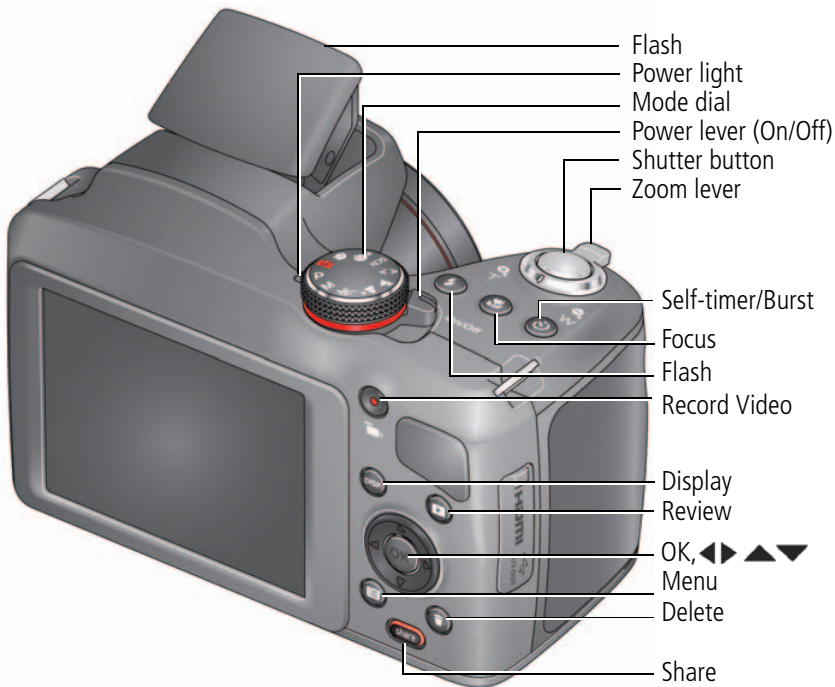
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4H8851\_en

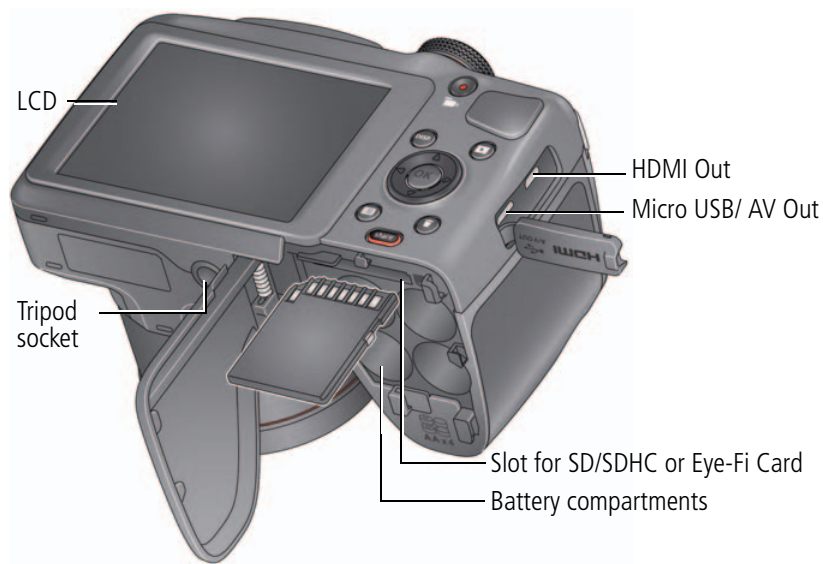
## Front view



## Top, Back View



## Bottom, side view



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## 1

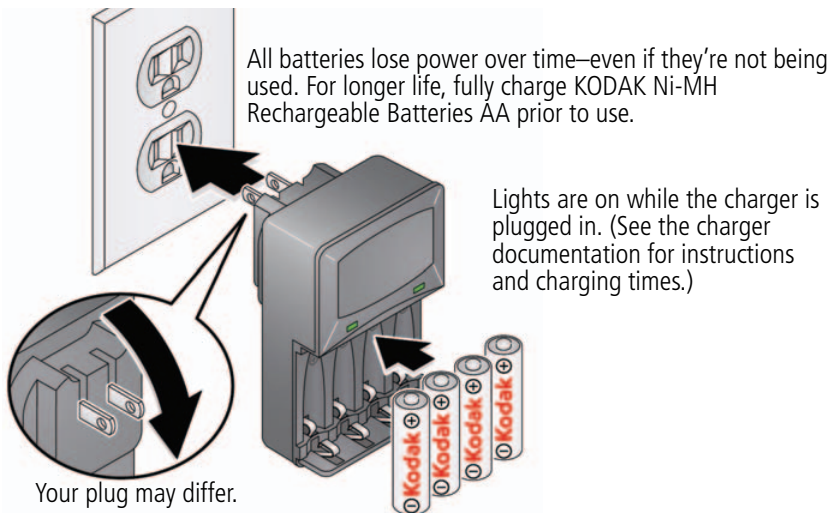
# Setting up your camera

**IMPORTANT! If your package includes:**

- Ni-MH batteries and a charger, continue to [Charging the rechargeable batteries](#).
- Alkaline batteries (and no charger), skip to [Loading the batteries, page 2](#). (You may purchase Ni-MH rechargeable AA batteries and a charger at [www.kodak.com/go/accessories](http://www.kodak.com/go/accessories).)

## Charging the rechargeable batteries

Charging time varies by battery level. For expected battery life, [see page 63](#).



**Purchase chargers, extra batteries**

[www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

## Loading the batteries

- 1 Press the door lock while sliding open the door.



- 2



**Purchase extra batteries**

[www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

**Monitor the battery level**

[see page 11](#)

## Storing pictures on an SD/SDHC Card

Your camera has enough internal memory for a couple of practice pictures. We highly recommend purchasing a Class 4 or higher SD/SDHC Card (up to 32 GB) to conveniently store more pictures/videos. (Card class is typically shown on the card and/or packaging.) **You must use a Class 4 or higher card to record HD video.**

NOTE: Your camera also accepts Eye-Fi Cards, X2 or higher with a firmware version of 4.5174 or higher. (View and update firmware using the Eye-Fi Center Software that accompanies the card.)



### CAUTION:

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

1 Turn off the camera, then open the door.

2 Insert a card until it clicks into place.

To remove a card, press and release it.

**IMPORTANT:** *When you turn on the camera, it checks to see if a card is inserted. If pictures/videos are detected in internal memory, the camera prompts you to move them to the card. New pictures/videos are stored on the card.*



**Purchase memory cards**

[www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

## Turning on the camera

- 1 If the lens cap is attached, remove it.
- 2 Pull back the On/Off switch, then release it.



## Setting the language, date/time

The first time you turn on the camera, you're prompted to choose your language and set the date/time.

### Choose your language:

- 1 Press ▲▼ to highlight your language.
- 2 Press the OK button.

### Set the date and time:

- 1 Press ◀▶ to change the date format, if desired.
- 2 Press ▲▼ to highlight the year, month, date, hours, or minutes.

NOTE: You may need to scroll down to see all fields.

- 3 Press ◀▶ to change the value.
- 4 When finished setting the date and time, press ▲▼ to highlight OK. Then press the camera OK button.



**Change date/time in the future**

[see page 46](#)

## Attaching the strap



## Purchasing additional components

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(4) KODAK Rechargeable Digital Camera  
AA Batteries and Battery Charger

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SD/SDHC Card (Class 4 or higher)

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KODAK Camera USB Cable Micro B / 5-Pin

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Eye-Fi Card

[www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

[www.eyefi.fi](http://www.eyefi.fi)

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## 2

# Installing, setting up software

Before you can share pictures/videos, you must:

- Install the KODAK Share Button App on your computer  
See [Installing the Share Button App](#) (below) and
- Perform a one-time setup of your email and social networking site credentials (user IDs and passwords). The email addresses and sites that you choose will appear on your camera when you press the Share button.  
See [Setting up the Share Button App \(one-time setup\)](#), page 8

## Installing the Share Button App

**IMPORTANT:** *Until you install and set up the Share Button App, the camera Share button is not enabled.*

- 1 Make sure the computer is connected to the Internet.
- 2 Turn **off** the camera.



- 3 Using the USB cable, connect the camera to a computer USB port. Then turn **on** the camera.  
*The Camera Setup App runs. (If there are many pictures on your memory card, this step could take several minutes.)*
- 4 Watch your computer—when the Camera Setup App prompts you to install the Share Button App, click Install Now. (If you are prompted to allow the Camera Setup App to run, click Allow.)
- 5 When prompted, click Finish.

### If you successfully installed the software

See [“Setting up the Share Button App \(one-time setup\)”](#) on page 8.

## If software installation does not begin after several minutes

- 1 Make sure the computer is connected to the Internet.
- 2 Open My Computer. (For MAC OS, go to the Finder.)
- 3 Open the KODAK Setup App. (For MAC OS, open the KODAK Camera Setup App.)

## If the installation still doesn't begin

- 1 Download the Share Button App from [www.kodak.com/go/camerasw](http://www.kodak.com/go/camerasw).
- 2 After it's downloaded, double-click to install it.

## Setting up the Share Button App (one-time setup)

After you install the Share Button App on your computer and click Finish (see page 7), the App automatically starts.\* It prompts you through a one-time setup of your email and social networking credentials (user IDs and passwords). **The addresses and sites that you choose appear on your camera when you press the Share button.** If you choose none, none will be listed when you press the Share button.

### Did you successfully set up the software?

See “After setting up the Share Button App” on page 8.

### \* If the App didn't start when you clicked Finish

The camera may have timed out. Unplug the camera from the USB cable and turn it off. Plug the camera back in and turn it on. When the App starts, perform the one-time setup, above.

## After setting up the Share Button App

Congratulations—you're ready to share!


- Take some pictures (see page 9).
- Choose pictures to share (see page 31).
- Connect the camera to your computer (see page 36). The Share Button App emails and/or shares your chosen pictures on your social networking sites.



# 3

## Taking pictures/videos

### Taking pictures in Smart Capture mode

When you turn on the camera the first time, it's ready to take pictures in Smart Capture mode . (After that, it remembers the last mode you used.)

- 1 Use the LCD to compose the picture.
- 2 Press the Shutter button and **pause halfway down**.

*The camera sets the exposure and focuses in the green brackets. If it's not focusing on the desired subject, release the Shutter button and start over.*

- 3 **Continue pressing** the Shutter button until it's **completely down**.

*The camera takes a picture, then briefly displays it. The picture is saved unless you press the Delete button . To dismiss the picture (and get back to taking pictures right away), press the Shutter button halfway down.*



- Press halfway.
- Pause for green brackets.
- Continue completely down.


Focus  
brackets

## Changing between Tools view and Clean view

Press the Display button **DISP.** to change between Clean view and Tools view.



### Clean view

A "clean" look; no tools appear.  
(Press the Menu button  to change settings.)



### Tools view



Tools appear at the top of the LCD.



### Tools view + Histogram

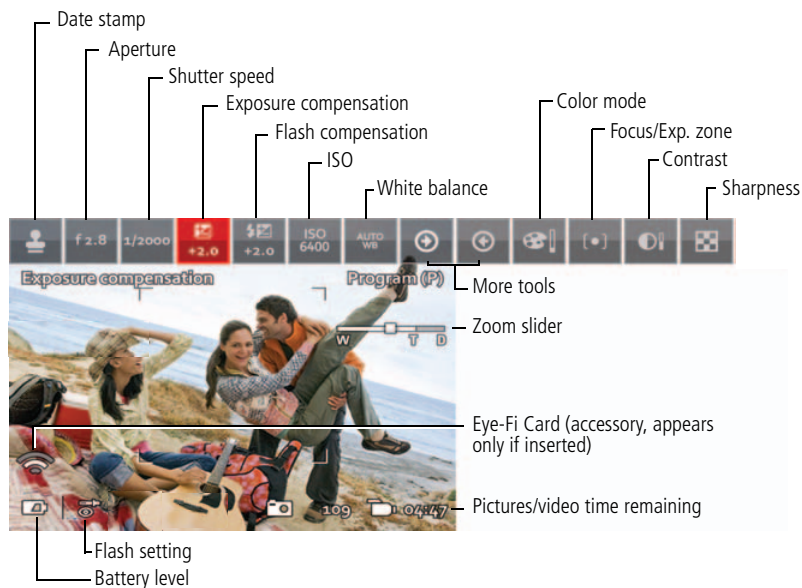
Tools appear at the top of the LCD.  
(Turn on the Framing Grid in Settings.)



Press   to choose a Tool, then press OK.

NOTE: When you change a setting, it remains set even if you turn off the camera. If you need to reset all settings to their factory default, use Reset All Camera Settings (see [page 46](#)).

## Tool descriptions




## Monitoring the battery level

Don't miss out on great pictures and videos. Keep rechargeable batteries fully charged and keep a set of spare batteries available.

Full	
Three quarters	
Half	
One Quarter/Critical	

## Taking a video





The camera is always ready to take a video—just press and release the Record Video button . (Press and release it again to stop.)










## Using other picture-taking modes

Turn the Mode dial.



Note: If you choose SCN (Scene), press     to highlight a Scene mode, then press OK.

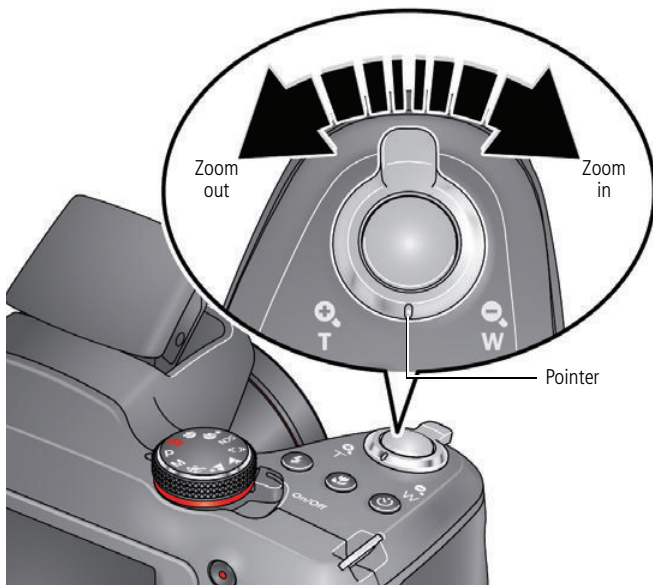
Capture modes			
	Smart Capture		Landscape
<b>P</b>	Program AE		Panorama Right-to Left, Left-to-Right
<b>M</b>	Manual Exposure	<b>SCN</b>	Scene Modes
	Sport		Night Portrait
	Night Landscape		Portrait

## Using the Zoom

Use optical zoom to get closer to your subject before taking a picture or video. (If the zoom button is pressed *during* video recording, then digital zoom is used.)

- 1 Use the LCD to frame your subject. (For focus distances, see [Specifications, page 59.](#))
- 2 To zoom in, turn the zoom clockwise, aiming the pointer at T (Telephoto "+"). To zoom out, turn the zoom counter-clockwise, aiming the pointer at W (Wide Angle "-").
- 3 Take the picture or video.

NOTE: To get a focused picture every time, use the Focus brackets ([page 9](#)). You cannot zoom in Super Macro focus mode ([page 15](#)).



## Using the Flash button

Use the flash when you take pictures at night, indoors, or outdoors in heavy shadows.

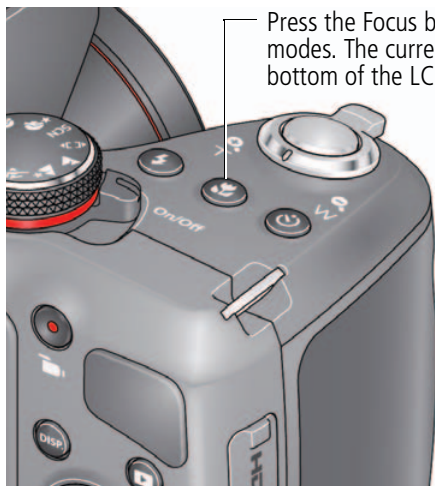


**IMPORTANT:** Flash modes are not available in all modes.

### Flash modes (vary by picture-taking mode)




	Auto Flash		Red-eye Preflash
	Flash On (Fill)		Flash Off

## Using the Focus button



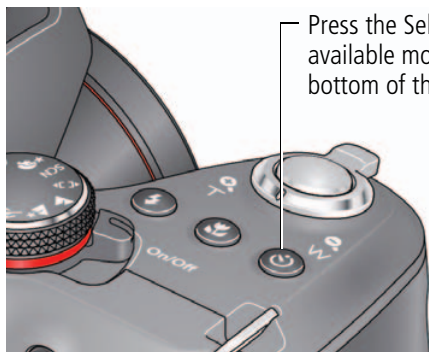
Press the Focus button to cycle through focus modes. The current focus mode appears at the bottom of the LCD.

**IMPORTANT:** Focus modes are not available in all picture-taking modes, such as Smart Capture.

Mode	For	
<b>Normal AF (Auto Focus)</b>	No icon	Normal picture taking.
<b>Infinity AF</b>		Distant scenery or taking pictures through a window. (Turn off the flash when taking pictures through glass.)
<b>Macro</b>		Close-ups. For focus distances, <a href="#">see page 59</a> .
<b>Super Macro</b>		Extreme close-ups. For focus distances, <a href="#">see page 59</a> . NOTE: You cannot zoom in Super Macro.


## Using the Self-timer/Burst button


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.




Press the Self-timer/Burst button to cycle through available modes. The current mode appears at the bottom of the LCD.

### 1 Choose a setting:



**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).

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

### 2 Compose the scene. Press the Shutter button and **pause halfway down** (to focus). **Continue pressing** the Shutter button until it's **completely down** (to start the self-timer).

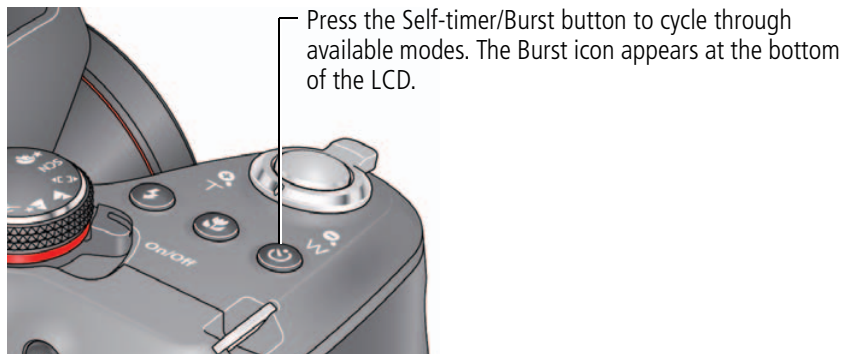
*The Self-timer light blinks until a picture is taken.*


NOTE: Use the same procedure to take a 2- or 10-second self-timer video, but press the Shutter button completely down. When the self-timer is off, the icon shown is . You can also press the Menu button  (see page 45) to access this setting.



## Taking burst pictures

While the Shutter button is pressed in Burst mode, take pictures @ approximately 0.8 fps (frames per second) until there is no more storage space.



- 1 Press the Self-timer/Burst button until the Burst icon  appears at the bottom of the LCD.
- 2 Compose the scene. Press the Shutter button and **pause halfway down** (to focus). **Continue pressing** the Shutter button until it's **completely down** and hold it to take the pictures.

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

NOTE: The flash is disabled in Burst modes. During quickview, you can delete all pictures in the burst series. Burst is unavailable in Portrait, Night Portrait, Night Landscape, Backlight, Fireworks, and Panorama modes. You can also press the Menu button  (see page 45) to access this setting.

## Using Scene modes

Choose a Scene mode before taking a picture.

- 1 Turn the Mode dial to SCN (Scene modes).
- 2 Press **▲▼** **◀▶** to choose the desired Scene mode, then press OK.

NOTE: To return to Smart Capture mode, go back to Step 1 and choose Smart Capture.




Scene mode	For
<b>Flower</b>	Close-ups.
<b>Sunset</b>	Subjects at dusk.
<b>Backlight</b>	Subjects that are in shadow or “backlit.”
<b>Candlelight</b>	Subjects illuminated by candlelight.
<b>Children</b>	Action pictures of children in bright light.
<b>Bright</b>	Bright beach or snow scenes.
<b>Fireworks</b>	Fireworks. For best results, place the camera on a steady surface or tripod.
<b>Self-Portrait</b>	Close-ups of yourself. Assures proper focus and minimizes red eye.
<b>Stage</b>	People in dark scenes, such as a stage. For best results, place the camera on a steady surface or tripod.
<b>Photobooth</b>	Taking 4 pictures, which the camera combines into 1 strip.
<b>High ISO</b>	People indoors, in low-light scenes.

## Taking panoramic pictures

Use panorama to “stitch” up to 3 pictures into 1 panoramic scene.

NOTE: Individual pictures are not saved, even if panorama capture is cancelled before stitching occurs. (Focus and exposure are set with the first picture. The flash is set to Off.)

- 1 Turn the Mode dial to Panorama .

*The default direction for taking panoramic pictures is left to right . To take pictures from right to left, press , choose , then press OK.*

- 2 Take the first picture.

*After a quickview, the LCD displays the Liveview and an “overlay” from the first picture.*

- 3 Compose the second picture. Make the overlay from the first picture cover the same portion in the new picture.

*If you are taking/stitching only 2 pictures, press OK to choose Stitch. After you take 3 pictures, the pictures are automatically stitched.*

Take 2 or 3 pictures.



Get 1 panoramic picture.




NOTE: To use the self-timer 10-second or 2-second setting, see [page 16](#).

## Turning on the Date Stamp feature

You can turn on Date Stamp so that new pictures are stamped with the date taken.

**IMPORTANT:** *You can only add a date stamp when the camera is in a picture-taking mode (not in Review mode when a picture is already taken). When you turn on Date Stamp, all new pictures that you take are stamped until you turn off the feature. Once a date stamp is applied, it cannot be removed (unless you use image editing software).*

- 1 If the toolbar is hidden, press **DISP.** to reveal it.
- 2 Press ◀▶ to highlight Date Stamp Off , then press OK.
- 3 Press ◀▶ to highlight Date Stamp On , then press OK.

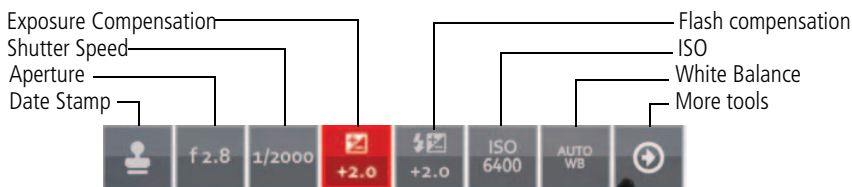
*The Date Stamp On icon  appears in the toolbar. The date is stamped on pictures you take next. The feature stays on until you turn it off.*

## Using Program AE and Manual Exposure modes

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

- 1 Turn the Mode dial to P (Program AE) or M (Manual Exposure) mode.
- 2 If the toolbar is hidden, press **DISP.** to reveal it.
- 3 Press **◀▶** to highlight an icon like Exposure Compensation, ISO, White Balance, etc. Then press OK. (To learn more about the icons, [page 10.](#))
- 4 Press **◀▶** to highlight a value within that setting, then press OK.

NOTE: Settings that you change in Program AE mode apply only to pictures taken in Program AE mode. Use Reset Camera ([see page 46](#)) to reset all settings to their factory default. To return to Smart Capture mode, go back to Step 1 and choose Smart Capture.



Mode	When to use	Press <b>◀▶</b> to control
<b>P</b>	<b>Program AE</b> mode offers the ease of auto exposure with full access to all manual controls. 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
<b>M</b>	<b>Manual Exposure</b> mode offers manual exposure with full access to all menu options. (To prevent blur, use a tripod for slow shutter speeds.)	Aperture, shutter speed, flash compensation, and ISO speed

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

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

NOTE: A higher ISO may produce unwanted "noise" in a picture.

**Flash Compensation**—adjust flash brightness.

**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.

## Choosing a Focus/Exposure Zone

Choose the focus/exposure zone best suited to your subjects.

- 1 If the toolbar is hidden, press **DISP.** to reveal it.
- 2 In a picture-taking mode, press **◀▶** to highlight Focus/Exposure Zone **[•••]**, then press OK.
- 3 Press **◀▶** to highlight a setting:.

**Face Priority**—**[●]** The camera gives focus priority to faces.

**Multi-zone**—**[•••]** The camera evaluates the entire frame, then sets an exposure based on the average. The camera focuses on the nearest object.

**Center**—**[•]** The camera focuses on a small zone in the center of a scene.

- 4 Press OK.

*The camera stays in this focus/exposure zone until you change it.*

# 4



## Reviewing pictures, videos

### Reviewing pictures/videos



1 Press the Review button .

*The most recent picture/video is displayed.*

2 Press   to view the previous or next picture.

■ To play a video, press the OK button.

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

### Turning on the camera in Review mode

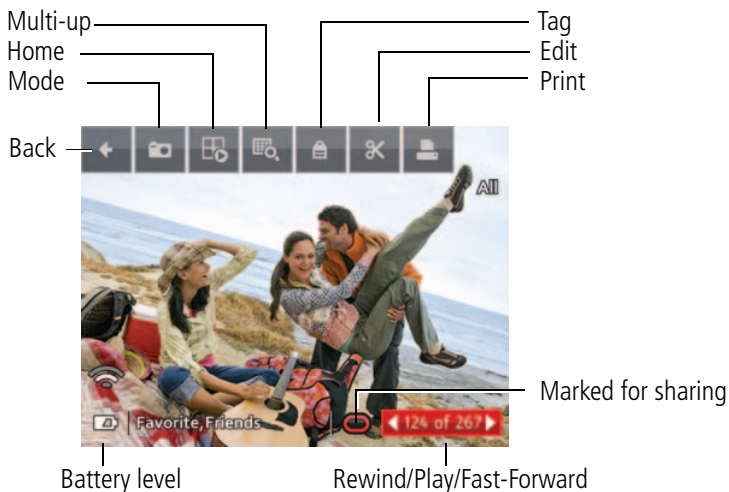
You can turn on the camera so that it's in Review mode with the lens retracted.

While the camera is off, press and hold the Review button. *The camera turns on and displays the most recent picture. The lens stays retracted.*

### Editing pictures and video

To edit pictures and videos, see [page 37](#).

## Understanding the review icons





## Playing a video





- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 Press   to find a video.



- 3 Press OK to play the video.

- To pause, press OK. (While paused, you can press   for previous/next frame.)
- To adjust the volume during playback, press  .


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

## Deleting pictures/videos

- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 Press   to find a picture/video.

- 3 Press the Delete button , then follow the screen prompts.

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

## Deleting multiple pictures/videos



When you delete or copy pictures/videos, you can apply the delete or copy command to more than one picture.

- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 Press the Delete button .

- 3 Highlight Select Multiple, then press OK.

- 4 Press   to highlight a picture/video, then press OK.

*A check mark appears. Press OK a second time to remove a check mark.*



- 5 Highlight Delete, then press OK.

*The selected pictures/videos are deleted.*

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


## Delete all pictures/videos that have been saved to computer

To save space and stay organized, you can delete from your camera those pictures that you've already sent to your computer. When deleting pictures, choose Delete All Saved To Computer.





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

## Using the Home feature

When you first press the Review button, you see the most recent picture or video.

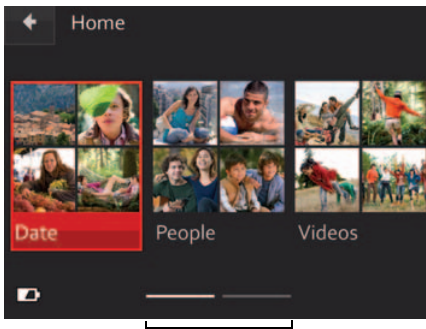
For a different view, choose the Home icon  and see pictures organized by:

- Date taken
- People (only if face tags have been added, [see page 33.](#))
- Keywords (only if keyword tags have been added, [see page 35.](#))
- Videos (only if videos have been taken, [see page 12.](#))

- 1 Press the Review button .
- 2 If the toolbar is hidden, press **DISP.** to reveal it.
- 3 Press  and  to highlight the Home icon , then press OK.
- 4 Highlight Date, People, Videos, or Keywords, then press OK.

*If you chose Date, People, or Keywords, highlight the desired date, person, or keyword, then press OK. If you chose Videos, thumbnails are displayed.*

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



The paging bar indicates more choices to the right.



**Tip:** For best results, make sure the camera date/time is current ([see page 46](#)).

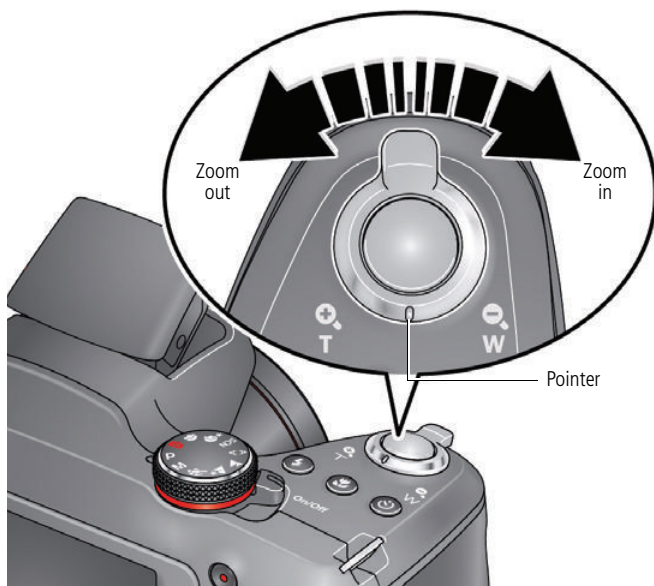
## Magnifying a picture

You can magnify a picture while in review.

- 1 Press the Review button .

*The most recent picture/video is displayed.*

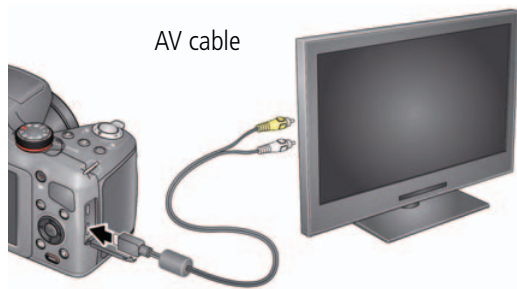
- 2 To zoom in, turn the zoom clockwise, aiming the pointer at T (Telephoto "+"). To zoom out, turn the zoom counter-clockwise, aiming the pointer at W (Wide Angle "-").
- 3 While magnifying, you can press   to make other portions viewable.



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

## Displaying pictures/videos on a television

You can display pictures/videos on a television, computer monitor, or any device equipped with a composite video or HDMI input. (Cables may be sold separately.) Use the camera controls to navigate through pictures/videos on the television.



**Purchase cables** [www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

## Running a slide show

Use Slide Show to display your pictures/videos on the LCD.

- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 If the toolbar is hidden, press  to reveal it.

- 3 Press  and  to highlight Slide Show , then press OK.

*The slide show starts with the current picture, then shows each picture/video once. To interrupt the slide show, press any button.*

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

## 5

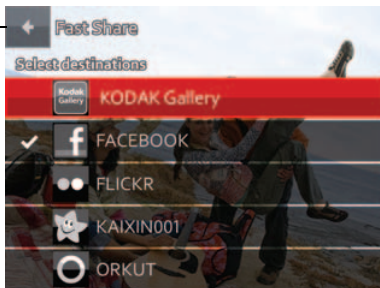
## Choosing pictures to share

Use this procedure if an Eye-Fi Card **is not** installed. (If an Eye-Fi Card is installed, see [page 51.](#))

**IMPORTANT:** *To enable the camera Share button for email and social network sharing, you must install and set up the KODAK Share Button App. (See [page 7.](#))*

- 1 Press the Share button.
- 2 Press ◀▶ to find a picture/video.
- 3 Press ▲▼ to highlight a sharing destination, then press OK. (Press OK again to remove a check mark.)

Back



- 4 To share other pictures, repeat steps 2 and 3. When finished, highlight Back, then press OK.

*When you connect the camera to your computer, these pictures are sent to the sharing destinations you chose.*

## Managing email addresses and KODAK PULSE Digital Frames

You can add, edit, or delete email addresses (including those of KODAK PULSE Digital Frames) on your camera.

- 1 Press the Share button.
- 2 Highlight Manage Email Addresses.
- 3 To add, delete, or edit an email address or frame, highlight Add, Delete, or Edit, then press OK.

*The keyboard appears when you need to type an email address, such as `mjones@gmail.com`.*

- 4 When finished, highlight one of the following, then press OK:
  - **Done**, which automatically creates a nickname based on the email address (like “mjones”) or
  - **Next**, to type a meaningful nickname that you choose, (like “Mom” or “Mary”). When finished typing, highlight Done, then press OK.

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

## Customizing your share message

You can personalize the share message that accompanies your shared pictures. See Share Button Settings on [page 45](#).

## Choosing which social networking sites to display

Set up this feature on your computer using the KODAK Share Button App (see [page 8](#)).



## 6

# Tagging faces and keywords

Tag pictures to make them easy to find, later (see page 27). You can tag pictures in 2 ways:

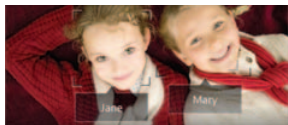
- **People**, and then find all pictures of “Mary.”
- **Keywords**, and then find all pictures from “Nature.”

## Tagging people

When you tag faces, you’re helping your camera 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 .
- The most recent picture/video is displayed.*
- 2 If the toolbar is hidden, press **DISP.** to reveal it.
- 3 Press **▲** and **◀▶** to highlight Tags , then press OK.
- 4 Highlight Tag People, then press OK.

*If faces are detected, names or question marks appear under them. To resolve an incorrect name or a question mark, press **◀▶** to highlight a face, then press OK. Highlight a name or highlight Enter New Name, then press OK.*



- 5 If prompted to Update People Tags, highlight Yes, then press OK.  
*Other pictures are scanned and updated with the name(s) you applied here. Press **◀▶** to add names to other pictures. Press OK.*

## Manually add a face tag

If a face is not detected, you can identify and name it.

- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 Press   to find a picture.
- 3 If the toolbar is hidden, press  to reveal it.
- 4 Press  and   to highlight Tags , then press OK.
- 5 Highlight Tag People, then press OK.






*If no faces are detected, the Manual Tag menu appears. (If faces were detected, highlight Manual Tag, then press OK.)*

- 6 Follow the prompts to enter a new name, or choose one from the list.
- 7 When finished typing, highlight Done, then press OK.

## Need to update a name?

- 1 Press the Review button .





*The most recent picture/video is displayed.*

- 2 If the toolbar is hidden, press  to reveal it.
- 3 Press  and   to highlight Tags , then press OK.
- 4 Highlight Tag People, then press OK.
- 5 Highlight Edit Names, then highlight a name to modify, then press OK.
- 6 When finished typing, highlight Done, then press OK.

NOTE: You can have up to 20 names.





## Tagging with keywords

Tag pictures to make them easy to find, later.

- 1 Press the Review button .
- The most recent picture/video is displayed.*
- 2 If the toolbar is hidden, press **DISP** to reveal it.
- 3 Press  and  to highlight Tags , then press OK.
- 4 Highlight Keyword Tag, then press OK.
- 5 Highlight a tag (or choose "+" to add a new keyword).
- 6 Highlight Done, then press OK.

## Marking pictures/videos as favorites

Mark pictures as favorites to make them easy to find, later.

- 1 Press the Review button .
- The most recent picture/video is displayed.*
- 2 If the toolbar is hidden, press **DISP** to reveal it.
- 3 Press  and  to highlight Tags , then press OK.
- 4 Highlight Keyword Tag, then press OK.
- 5 Highlight Favorite, then press OK.

# Transferring, sharing pictures

When you transfer pictures/videos to your computer, any that you tagged for emailing or sharing on social networking sites are emailed or shared. (See more about tagging pictures on [page 33](#).)

You can transfer in 2 ways:

- Using the included USB cable (see below)
- Using an optional Eye-Fi Card (see [page 52](#))

## Transferring pictures/videos using a USB cable

**IMPORTANT:** *To enable the camera Share button for email and social network sharing, you must install and set up the KODAK Share Button App. (See [page 7](#).)*

- 1 Turn **off** the camera.
- 2 Using the KODAK Camera USB cable, connect the camera to a computer USB port. (Use only the cable included with this camera.)



- 3 Turn on the camera.
- 4 Follow the computer prompts to transfer pictures/videos to your computer.



*Pictures/videos that you tag for sharing are emailed or uploaded to social networking sites. (See more about tagging pictures on [page 33](#).)*

# 8

## Editing pictures and videos

### Accessing the picture-editing features

When you're reviewing a picture and choose Edit, you get picture-editing tools:













- 1 Press the Review button .
- 2 Press ◀▶ to find a picture.
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press ▲ and ◀▶ to highlight Edit , then press OK.
- 5 Press ◀▶ to highlight:
  - Effects ([see page 38](#))
  - Crop ([see page 39](#))
  - PERFECT TOUCH Technology ([see page 40](#))
- 6 Press OK.

NOTE: When you're reviewing a video and choose Edit, you get video-editing tools ([see page 41](#)).

## Applying Effects

### Using Creative effects

You can apply borders to or change the color tint of pictures.

- 1 Press the Review button .
- 2 Press   to find a picture.
- 3 If the toolbar is hidden, press  to reveal it.
- 4 Press  and  to highlight Edit , then press OK.
- 5 Press   to highlight Effects , then press OK.
- 6 Press   to highlight Borders or Tint, then press OK.
- 7 Choose a border style or color tint to apply to the picture. Follow the prompts to save the picture.

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

### Using Film effects

You can apply unique film effects to pictures.











- 1 Press the Review button .
- 2 Press   to find a picture.
- 3 If the toolbar is hidden, press  to reveal it.
- 4 Press  and  to highlight Edit , then press OK.
- 5 Press   to highlight Effects , then press OK.
- 6 Press   to highlight Film Effects, then press OK.
- 7 Choose Ektachrome, Kodachrome, Kodacolor, Sepia, T-Max, or Tri-X.

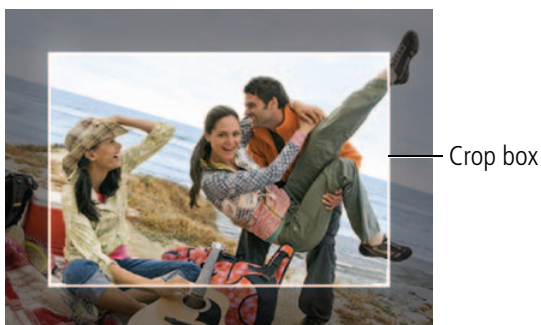
*Examples of each are displayed.*

- 8 Follow the prompts to save the picture.

## Cropping a picture

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

- 1 Press the Review button .
- 2 Press   to find a picture.
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press  and  to highlight Edit , then press OK.
- 5 Press  to highlight Crop , then press OK.
- 6 Press  and  to move the crop box to the desired portion of the picture.  
Turn the zoom switch to resize the crop box.



- 7 When finished, Press OK, then follow the screen prompts.

*Cropped pictures cannot be cropped again on the camera.*



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

## Applying 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.

NOTE: (You cannot apply PERFECT TOUCH Technology to videos, panoramic pictures, or pictures to which PERFECT TOUCH Technology is already applied.)

- 1 Press the Review button .
- 2 Press   to find a picture.
- 3 If the toolbar is hidden, press  to reveal it.
- 4 Press  and   to highlight Edit , then press OK.
- 5 Press   to highlight PERFECT TOUCH Tech , then press OK.

*The enhanced picture is previewed next to the original. Press   to pan and compare the pictures.*



- 6 Press OK, then follow the prompts to replace the original picture or save the enhanced picture as a new one.

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



## Accessing the video-editing features

When you're reviewing a video and choose Edit, you get video-editing tools:










- 1 Press the Review button .
- 2 Press ◀▶ to find a video. (You can also choose Home, Videos, then find a video.)
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press ▲ and ◀▶ to highlight Edit , then press OK.
- 5 Press ◀▶ to highlight:
  - Trim ([see page 42](#))
  - Make Picture ([see page 43](#))
  - Action Print ([see page 44](#))
- 6 Press OK.

NOTE: When you're reviewing a picture and choose Edit, you get picture-editing tools ([see page 37](#)).

## Trimming a video

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

NOTE: This feature is also available during video playback.

- 1 Press the Review button .
- 2 Press  to find a video. (You can also choose Home, Videos, then find a video.)
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press  and  to highlight Edit , then press OK.
- 5 Press  to highlight Trim , then press OK.
- 6 Press OK to highlight the Start Trim mark . Press  to move it to its new location. When it's in position, press OK to lock it in place.

Press  to highlight the End Trim mark . Press  to move it to its new location. When it's in position, press OK to lock it in place.












- 7 Press  and  to highlight Done, then press OK.
- Follow the prompts to Save as New, Cancel, or Replace Original.*

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

## Making a picture from a video



You can choose a single frame from a video, then make it into a picture.



NOTE: Picture quality depends on video resolution. This feature is also available during video playback.

- 1 Press the Review button .
- 2 Press   to find a video. (You can also choose Home, Videos, then find a video.)
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press  and  to highlight Edit , then press OK.
- 5 Press   to highlight Make Picture , then press OK.



- 6 Press OK to play the video. When you reach the desired frame, press OK to Pause.

NOTE: While the video is paused, you can press   to move one frame at a time.

- 7 Press  and  to highlight to highlight Make Picture, then press OK.











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

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

## Making an action print from a video

From a video, you can make a 9-up picture. The camera chooses the first, last, and seven equally spaced frames from the video.

NOTE: Picture quality depends on video resolution. This feature is also available during video playback.

- 1 Press the Review button .
- 2 Press   to find a video. (You can also choose Home, Videos, then find a video.)
- 3 If the toolbar is hidden, press **DISP.** to reveal it.
- 4 Press  and   to highlight Edit , then press OK.
- 5 Press   to highlight Action Print , then press OK.

*A 9-up picture is created using the first, last, and 7 equally spaced frames.*

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




## 9

# Using the Menu button to change camera settings

## Adjusting camera settings


You can adjust 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. You can also use the Toolbar to access many of these settings (see page 10).

- 1 In picture-taking mode, press the Menu button .
- 2 Press   to highlight a setting, then press OK.
- 3 Highlight an option within that setting, then press OK.
- 4 To return to picture-taking mode, press the Shutter button halfway down.

<b>Picture or Video Size</b> Choose a picture or video resolution.	See Specifications, starting on <a href="#">page 59</a> . NOTE: If your card has little space remaining, but you need to take pictures or videos, you can reduce the Picture or Video Size. This lets you take a greater number of pictures or videos, although they will be captured at a lower resolution.
<b>Language</b>	Choose your language.
<b>People Tag Settings</b> Maintain names and faces.	<b>Update People Tags</b> —Matches recently tagged people with other pictures that may include these people. <b>Modify Names List</b> —Edit or delete existing names.
<b>Capture Framing Grid</b>	<b>On</b> <b>Off</b>

<b>Slide Show Settings</b>	Choose settings for transitions, looping, and interval.
<b>AF Control (Still)</b> Choose an auto-focus setting. Available in Program AE, Panorama, and Scene modes.	<b>Continuous AF</b> —Because the camera is always focusing, there is no need to press the Shutter button halfway down to focus. <b>Single AF</b> —Focuses when the Shutter button is pressed halfway down. (This setting uses less battery power.)
<b>LCD Brightness</b> Choose LCD brightness during picture/video capture. (During Review, the LCD is set to High Power.)	<b>High Power</b> —Brighter LCD; uses more battery power. <b>Power Save</b> —Dimmer LCD; uses less power. <b>Auto</b> —LCD brightness is automatically adjusted according to the environment.
<b>Sound Volume</b> Choose volume.	<b>High</b> <b>Medium</b> <b>Low</b> <b>Mute</b>
<b>Date &amp; Time</b>	Set date and time.
<b>Video Out</b> Choose the regional setting that lets you connect the camera to a television or other external device.	<b>NTSC</b> —Used in North America and Japan; most common format. <b>PAL</b> —Used in Europe and China.
<b>Play Camera Demo</b> Play a demo of the main camera features.	
<b>Reset All Camera Settings</b>	Reset all settings to their factory default.

<b>Computer Connection</b> Choose which application is downloaded or started when you connect the camera to the computer.	<b>KODAK Software</b> <b>Other Application</b> (APPLE IPHOTO, etc.) <b>IMPORTANT:</b> <i>To enable the camera Share button for email and social network sharing, you must install and set up the KODAK Share Button App. (See page 7.)</i>
<b>Safe Mode</b> In Safe mode, pictures/videos cannot be deleted or modified.	<b>On</b> <b>Off</b>
<b>Format</b>  <b>CAUTION:</b> <b>Formatting deletes all pictures/videos. Removing a card during formatting may damage the card.</b>	<b>Memory Card</b> —Deletes everything on the card; formats the card. <b>Cancel</b> —Exits without making a change. <b>Internal Memory</b> —Deletes everything in internal memory including email addresses and keyword tags; formats the internal memory.
<b>KODAK Camera Software</b>	View the URL to download KODAK Software.
<b>Eye-Fi</b> Turn the Eye-Fi Card on or off. Applies only if an Eye-Fi Card is inserted.	<b>On</b> <b>Off</b>
<b>About</b>	View camera information.

# 10 Printing pictures

## Direct printing

You need a camera, a PICTBRIDGE enabled Printer, and a USB cable.

**IMPORTANT:** *To print using PICTBRIDGE Technology, you must change the Computer Connection setting (in the Settings menu) to Other Application (see page 47).*

## Connecting the camera to a printer

- 1 Turn off the camera.
- 2 Use the USB cable (included with the camera) to connect the camera to the printer.

## Printing

- 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 Highlight a printing option, then press OK.

**Current Picture**—Press ◀▶ to choose a picture.

**Tagged Pictures**—If your printer is capable, print pictures marked for printing (see page 49).

**Index Print**—Print thumbnails of all pictures.

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

**NOTE:** During direct printing, pictures are not permanently transferred or saved to the printer. To transfer pictures to your computer, see page 36.

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**Purchase cables, accessories** [www.kodak.com/go/accessories](http://www.kodak.com/go/accessories)

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## Ordering prints online

KODAK Gallery ([www.kodakgallery.com](http://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 memory card

- Automatically print tagged pictures when you insert your card into a printer. See your printer user's guide for details.
- Make prints at a KODAK Picture Kiosk. Go to [www.kodak.com/go/picturemaker](http://www.kodak.com/go/picturemaker).
- Take the card to your local photo retailer for professional printing.

## Marking pictures for print

- 1 Press the Review button .

*The most recent picture/video is displayed.*

- 2 Press ◀▶ to find a picture.

- 3 Highlight Print, then press OK.

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

*The pictures are printed when you transfer them to your computer. (See page 36.)*

**This chapter pertains only if you're using an Eye-Fi Card.**

An Eye-Fi Card stores pictures just like an SD/SDHC Card does. It also has a built-in Wi-Fi antenna that uses your Wi-Fi network to transfer pictures from your camera to your computer or mobile device.

**IMPORTANT:** *Choose an Eye-Fi X2 Card or higher with a firmware version of 4.5174 or higher. (View and update firmware using the Eye-Fi Center Software that accompanies the card.)*

## Storing pictures on an Eye-Fi Card

To set up and use the Eye-Fi Card and Eye-Fi Center Software, follow the documentation that accompanies the card. For further Eye-Fi support, see [page 51](#).



### **CAUTION:**

**If you're using an Eye-Fi Card in this camera, it's critical that you disable (do not turn on) Endless Memory Mode in Eye-Fi Center Software.**

- 1 Turn off the camera, then open the door.
- 2 Insert a card until it clicks into place.

To remove a card, press and release it.

**NOTE:** When you turn on the camera, it checks to see if a card is inserted. If pictures/videos are detected in internal memory, the camera prompts you to move them to the card. New pictures/videos are stored on the card.

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**Purchase Eye-Fi cards**

[www.eye.fi](http://www.eye.fi)

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**Get support for Eye-Fi Cards and Software**

[support.eye.fi](http://support.eye.fi)

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## Sharing pictures using an Eye-Fi Card

You can transfer pictures from your camera to a computer or mobile device and share pictures to social networking sites.

- 1 Press the Share button.
- 2 At the "Share via Eye-Fi?" prompt, highlight Yes, then press OK.





**IMPORTANT:** *For the best reception when transferring pictures to a computer or mobile device, the rear (LCD side) of the camera should face the Wi-Fi access point.*

- 3 When you're in range of your known Wi-Fi network or mobile device, turn **on** the camera to transfer and share pictures.

*Pictures are transferred to your computer and shared to your social networking sites according to your Eye-Fi Settings.*

## Eye-Fi status icons


**IMPORTANT:** *The camera must be turned on to transfer and share pictures.*

Icon	Meaning
	Eye-Fi is idle, set to On in the Eye-Fi settings menu, and not currently transferring.
	Eye-Fi is on the network and transferring pictures. <b>IMPORTANT:</b> <i>Do not turn off the camera while the Eye-Fi Card is transferring pictures.</i>
	Error (see <a href="#">page 56</a> )
	Eye-Fi is off.

**Get support for Eye-Fi Cards and Software**

[support.eye.fi](http://support.eye.fi)

## Changing Eye-Fi settings

- 1 In a picture-taking mode, press the Menu button .

*The Settings menu appears.*

- 2 Press ▲▼ to highlight Eye-Fi, then press the OK button.
- 3 Choose Selective Share (recommended).

*When you're in range of your known Wi-Fi network, turn on the camera to transfer pictures to your computer or mobile device.*

## Other Eye-Fi Information

- **It's critical that you disable (do not turn on) Endless Memory Mode in Eye-Fi Center Software.**
- As of December 2010, Eye-Fi Cards are certified for use in the countries and regions in which they were purchased.
- The Eye-Fi Card has a wireless LAN function. Do not insert the Eye-Fi Card where Wi-Fi is prohibited, such as while aboard an airplane or in a hospital.
- Even when you set Eye-Fi to off, the card may transmit radio waves.
- The card may become warm during use. This is normal.
- Battery life is reduced when using an Eye-Fi Card.
- For the best reception when transferring pictures to a computer or mobile device, the rear (LCD side) of the camera should face the Wi-Fi access point.

For Eye-Fi troubleshooting, [see page 56](#).

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**Get support for Eye-Fi Cards and Software** [support.eye.fi](http://support.eye.fi)

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# 12 Troubleshooting

## Camera problems

Status	Solution
Camera does not turn on, off; buttons do not function.	■ Charge rechargeable batteries ( <a href="#">see page 1</a> ); replace non-rechargeable batteries.
Camera freezes 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 ( <a href="#">see page 46</a> ).
In Review, a blue or black screen is displayed instead of a picture.	■ Transfer the picture to the computer ( <a href="#">see page 36</a> ), then format the card or internal memory ( <a href="#">see page 47</a> ). <b>Caution: Formatting a card deletes all pictures and videos.</b> ■ Take another picture.
In Review, you do not see a picture (or the expected picture) on the LCD.	■ Format the card in the camera ( <a href="#">see page 47</a> ) <b>Caution: Formatting a card deletes all pictures and videos.</b>
Flash does not fire.	■ Check the flash setting, and change as needed ( <a href="#">see page 14</a> ). NOTE: The flash does not fire in all modes.
Memory card is almost or entirely full.	■ Transfer the pictures to the computer ( <a href="#">see page 36</a> ). ■ Delete pictures from the card ( <a href="#">see page 25</a> ) or insert a new card.
The Reset All Camera Settings feature did not take effect.	■ After using the Reset All Camera Settings feature ( <a href="#">see page 46</a> ), turn the camera off and then on again.

Status	Solution
Battery life is short.	<ul style="list-style-type: none"> <li>■ Charge rechargeable batteries (<a href="#">see page 1</a>); replace non-rechargeable batteries.</li> <li>■ Use a power-saving LCD Brightness setting (<a href="#">see page 46</a>).</li> </ul>
Shutter button does not work.	<ul style="list-style-type: none"> <li>■ Make sure the camera is on (<a href="#">see page 4</a>).</li> <li>■ Transfer pictures to the computer (<a href="#">see page 36</a>), delete pictures from the camera (<a href="#">see page 25</a>), or insert a card with available memory (<a href="#">see page 3</a>).</li> </ul>
Zoom does not always work.	<ul style="list-style-type: none"> <li>■ You cannot zoom in Super Macro focus mode (<a href="#">see page 15</a>).</li> </ul>
Memory card not recognized.	<ul style="list-style-type: none"> <li>■ Card may be corrupted. Format the card in the camera (<a href="#">see page 47</a>).</li> </ul> <p><b>Caution: Formatting a card deletes all pictures and videos.</b></p> <ul style="list-style-type: none"> <li>■ Use another memory card.</li> </ul>
Pictures on card (or in internal memory) are corrupted.	<ul style="list-style-type: none"> <li>■ Retake pictures.</li> <li>■ Do not remove card while the camera is on.</li> <li>■ Keep the rechargeable batteries charged.</li> <li>■ Transfer pictures to the computer (<a href="#">see page 36</a>), then format the card or internal memory (<a href="#">see page 47</a>).</li> </ul> <p><b>Caution: Formatting a card deletes all pictures and videos.</b></p>

## Computer/connectivity problems

Status	Solution
The software installer does not start.	<ul style="list-style-type: none"> <li>■ Choose and install the right version for your computer at <a href="http://www.kodak.com/go/camerasw">www.kodak.com/go/camerasw</a>.</li> </ul>

Status	Solution
Slide Show does not run on an external video device.	<ul style="list-style-type: none"> <li>■ Adjust the camera Video Out setting to NTSC or PAL (<a href="#">see page 46</a>).</li> <li>■ Make sure the external device settings are correct. (See the device's user guide.)</li> </ul>
Computer does not communicate with the camera.	<ul style="list-style-type: none"> <li>■ Turn off the camera, then turn it back on.</li> <li>■ Make sure the batteries are charged and installed correctly (<a href="#">see page 2</a>).</li> <li>■ Make sure the KODAK Camera USB Cable, Micro B / 5-Pin is connected to the camera and the computer (<a href="#">see page 36</a>). Then turn on the camera.</li> </ul>

## Picture quality problems


Status	Solution
Picture is not clear.	<ul style="list-style-type: none"> <li>■ To automatically set exposure and focus, press the Shutter button <b>halfway</b>. When the Focus brackets turn green, press the Shutter button <b>completely down</b> to take the picture.</li> <li>■ Clean the lens (<a href="#">see page 61</a>).</li> <li>■ Place the camera on a flat, steady surface or use a tripod (especially in high-zoom settings or in low light).</li> <li>■ Use a larger picture size (<a href="#">see page 45</a>).</li> <li>■ If you're manually adjusting the ISO speed, realize that high a ISO setting may cause grainy pictures.</li> </ul>

Status	Solution
Picture is too dark.	<ul style="list-style-type: none"> <li>■ Reposition the camera for more available light.</li> <li>■ Use Fill flash (see <a href="#">page 14</a>) or change your position so light is not behind the subject.</li> <li>■ Move so that the distance between you and the subject is within the effective flash range. (See Specifications, starting on <a href="#">page 59</a>.)</li> <li>■ To automatically set exposure and focus, press the Shutter button <b>halfway</b>. When the Focus brackets turn green, press the Shutter button <b>completely down</b> to take the picture.</li> <li>■ In Program AE mode, adjust the Exposure Compensation (see <a href="#">page 21</a>).</li> </ul>
Picture is too light.	<ul style="list-style-type: none"> <li>■ Reposition the camera to reduce the amount of available light.</li> <li>■ Turn the flash off (see <a href="#">page 14</a>).</li> <li>■ Move so that the distance between you and the subject is within the effective flash range. (See Specifications, starting on <a href="#">page 59</a>.)</li> <li>■ To automatically set exposure and focus, press the Shutter button <b>halfway</b>. When the Focus brackets turn green, press the Shutter button <b>completely down</b> to take the picture.</li> <li>■ In Program AE mode, adjust the Exposure Compensation (see <a href="#">page 21</a>).</li> </ul>

## Eye-Fi problems

Status	Solution
Get support for Eye-Fi Cards and Software.	Go to <a href="http://support.eye.fi">support.eye.fi</a>
Eye-Fi Card is not working in this camera.	<ul style="list-style-type: none"> <li>■ Choose an Eye-Fi X2 Card or higher with a firmware version of 4.5174 or higher. (View and update firmware using the Eye-Fi Center Software that accompanies the card.)</li> <li>■ The camera must be turned on to transfer pictures to the computer or mobile device.</li> </ul>



Status	Solution
Eye-Fi Endless Memory is not working.	 <b>CAUTION:</b> <b>If you're using an Eye-Fi Card in this camera, it's critical that you disable (don't turn on) Endless Memory Mode in Eye-Fi Center Software.</b>
Eye-Fi Card gets warm.	■ This is normal.
Camera battery life is shorter.	■ Battery life is reduced when using an Eye-Fi Card.
Transferring pictures is slow using the Eye-Fi Card.	■ For the best reception when transferring pictures to a computer or mobile device, the rear (LCD side) of the camera should face the Wi-Fi access point.

## 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 ( <a href="#">see page 48</a> ). ■ 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

Get support for your product (FAQs, troubleshooting information, etc.).	<a href="http://www.kodak.com/go/Z5120support">www.kodak.com/go/Z5120support</a>
Purchase camera accessories.	<a href="http://www.kodak.com/go/accessories">www.kodak.com/go/accessories</a>
Download the latest camera firmware.	<a href="http://www.kodak.com/go/Z5120downloads">www.kodak.com/go/Z5120downloads</a>
Download the latest software.	<a href="http://www.kodak.com/go/camerasw">www.kodak.com/go/camerasw</a>
Register your camera	<a href="http://www.kodak.com/go/register">www.kodak.com/go/register</a>
Chat, email, or phone Kodak (Chat not available in all languages)	<a href="http://www.kodak.com/go/contact">www.kodak.com/go/contact</a>
Get Eye-Fi support (for Eye-Fi Cards and Software)	<a href="http://support.eye.fi">support.eye.fi</a>


# 13 Appendix

## Specifications

**CCD**—1/2.3-type

**Effective pixels**—16 MP (4624 x 3472)

**LCD**—3.0 in. (7.6 cm) LCD; 230K dots; 30 fps; 4:3 aspect ratio

**Image storage**—Optional Class 4 or higher SD/SDHC Card  (or Eye-Fi Card X2 or higher with a firmware version of 4.5174 or higher). The SD logo is a trademark of the SD Card Association. Maximum supported card size: 32 GB

**Internal storage capacity**—64 MB internal memory (28 MB available for image storage. 1 MB equals one million bytes.)

**Taking lens**—26X optical zoom; f/3.2–f/5.6; 35 mm equivalent: 26–676 mm

**Digital zoom**—5X continuous

**Image Stabilizer**—CCD Shift type

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

0.5 m (1.6 ft)–infinity @ wide, normal

2.2 m (7.2 ft)–infinity @ telephoto, normal

0.1–0.6 m (0.3–2 ft) @ wide, Macro mode

2.2–3 m (7.2–9.8 ft) @ telephoto, Macro mode

1–15 cm (0.4–5.9 in.) @ wide, Super Macro mode

**Auto focus control**—Continuous and Single AF

**Face detection**—Yes

**Face recognition**—Yes

**Shutter speed**—Auto: 1/2–1/2000 seconds; Manual: 16–1/1000 seconds

**Long time exposure**—1/2–8 seconds

**ISO speed**—64, 100, 200, 400, 800, 1600

**Focus/Exposure Zone**—TTL-AE; Face Priority, 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, Fill, Red Eye, Off; Working range in Smart Capture mode: 0.5–5.5 m (1.6–18 ft) @ wide; 2.2–3.1 m (7.2–10.2 ft) @ telephoto

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

**Burst modes**—See [page 17](#).

**Capture modes**—Smart Capture, Program AE, Manual Exposure, Scene modes (see [page 18](#)), Video

**Image file format**—

Still: EXIF 2.3 (JPEG compression); file organization DCF

Video: MP4 (Video CODEC H.264; Audio CODEC AAC)

**Picture size**—16 MP (4:3): 4608 x 3456 pixels

14 MP (3:2): 4608 x 3072 pixels

12 MP (16:9): 4608 x 2592 pixels

6 MP (4:3): 2880 x 2160 pixels

3 MP (4:3): 2048 x 1536 pixels

**Video size**—HDV (1280 x 720) @ 30 fps

VGA (640 x 480) @ 30 fps

**Recording limit** —HDV: < 4 GB or < 29 mins; VGA: < 4 GB

**Color modes**—Vivid Color, Full Color, Basic Color, Black & White, Sepia

**Sharpness modes**—Sharp, Normal, Soft

**Communication with computer**—USB 2.0 high speed (PIMA 15740 protocol); via KODAK Camera USB Cable, Micro B / 5-Pin

**Microphone**—Mono

**Speaker**—Mono

**PICTBRIDGE support**—Yes

**Power**—(4) KODAK Rechargeable Digital Camera AA Batteries

**Tripod mount**—1/4-type

**Size**—116.4 x 78.8 x 73 mm (4.6 x 3.1 x 2.9 in.) @ power off

**Weight**—488 g (17.2 oz) with batteries and card

**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, go to the Electronics Industry Alliance site at [www.eiae.org](http://www.eiae.org) or go to [www.kodak.com/go/support](http://www.kodak.com/go/support).

## Upgrading your software and firmware

We occasionally update KODAK Software and firmware (the software that runs on the camera). For instructions on installing the latest version, go to [www.kodak.com/go/Z5120downloads](http://www.kodak.com/go/Z5120downloads).

## Storage capacities

The LCD displays the approximate number of pictures (or minutes/seconds of video) remaining. 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.

## Important safety instructions



### CAUTION:

**Do not disassemble this product; there are no user-serviceable parts inside. Refer servicing to qualified service personnel. KODAK 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, go to [www.kodak/go/accessories](http://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](http://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. Go to [www.kodak.com/go/kes](http://www.kodak.com/go/kes).
- Do not charge non-rechargeable batteries.

## Battery replacement, battery life

KODAK Rechargeable Digital Camera AA Batteries: 300 pictures per charge. Battery life per CIPA testing method. (Approximate number of pictures in Smart Capture mode, using an SD Card.) Actual life may vary based on usage.

### Extending battery life

- Use a power-saving LCD Brightness setting ([see page 46](#)).
- Dirt on the battery contacts can affect battery life. Wipe the contacts with a pencil eraser 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.

## 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, 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. The limitations and exclusions of liability set forth herein apply to both Kodak and its suppliers.

### **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 go to [www.kodak.com/go/recycle](http://www.kodak.com/go/recycle). Product weight: 488 g (17.2 oz) with batteries



## 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.

## Australian C-Tick



## VCCI Class B ITE

この装置は、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。 VCCI-B

## Russian GOST-R



Eastman Kodak Company  
Rochester, NY 14650

АЮ-40

Фотокамера изготовлена в Китае; остальные элементы - в соответствии с маркировкой.

## 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）。该值根据操作说明中所规定的产品正常使用而定。

有毒有害物质或元素名称及含量标识表						
部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
数码相机电路板元件	×	○	○	○	○	○
○：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。						



USB 数据线

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