
KODAK EASYSHARE LS420 Digital Camera



User's Guide

Visit Kodak on the World Wide Web at www.kodak.com

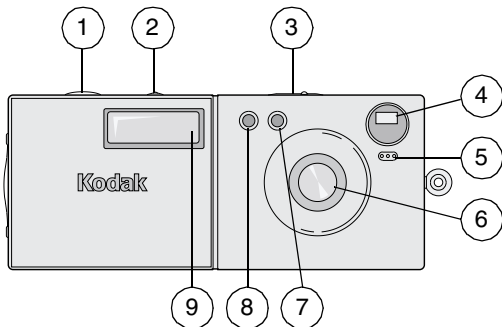


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Rochester, New York 14650
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P/N 6B5951

Front View



1 Shutter button

2 Flash/Print button

3 On/Off switch

4 Viewfinder lens

5 Microphone

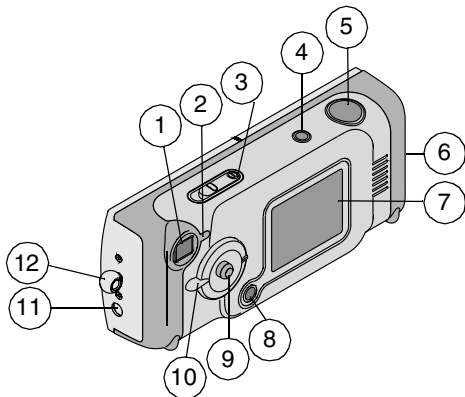
6 Lens with built-in cover

7 Light sensor

8 Self Timer light

9 Flash unit

Back View



1 Viewfinder

2 Ready light

3 On/Off switch, Power light

4 Flash/Print button

5 Shutter button

6 Card/Battery door

7 LCD

8 Menu button

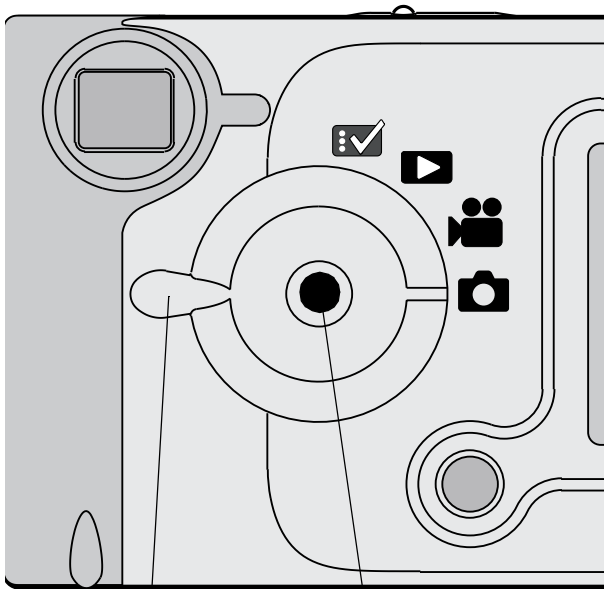
9 Joystick/Select button

10 Mode dial

11 Audio/Video out

12 Strap post

Mode Dial and Joystick/Select Button



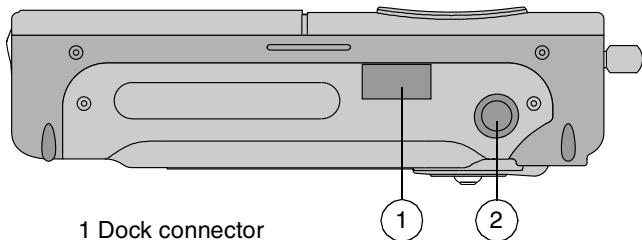
Mode dial

Joystick/Select button

. Press to Select

. Move ◀▶▲▼

Bottom View



1 Dock connector

2 Tripod socket



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1 Getting Started


Congratulations on your purchase of the KODAK EASYSHARE LS420 Digital Camera—the camera that lets you take pictures with 2.1 megapixel resolution and capture videos with sound.

What Can I Do With My Camera?

Capture Still Pictures  —Enjoy point-and-shoot operation with flash, self-timer, and zoom features.

Capture Videos with Sound  —Capture videos as QUICKTIME movies.

Review  —Display, protect, and delete pictures and videos. Magnify pictures, and select pictures for printing.

Set Up  —Customize your camera functions.

What Can I Do With My Digital Pictures and Videos?

Install the software on the KODAK Software CD, then:

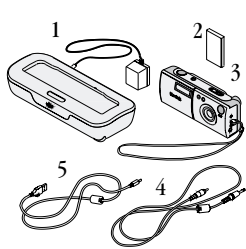
Transfer—transfer your pictures and videos to your computer.

Share—e-mail your pictures and videos to friends and family.

Print—print pictures on your home printer or take your optional MMC/SD (MULTIMEDIA/Secure Digital) card to your local photo retailer for professional printing.

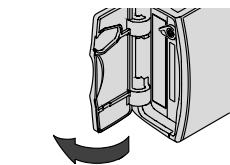
Have fun!—add special effects to your pictures, make a custom slide show, fix red-eye, crop, rotate, and much more.

Package Contents

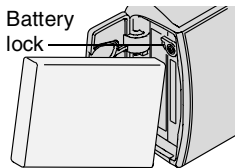


- 1 Camera Dock with AC adapter
- 2 Lithium-Ion battery
- 3 Camera with strap
- 4 Video cable
- 5 USB cable
- 6 Camera case, User's Guide, Quick Start Guide, and Software CD (not shown. In some countries, the User's Guide is provided on a CD instead of in printed form.)

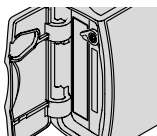
Loading the Camera Battery



- 1 Open the camera battery door.



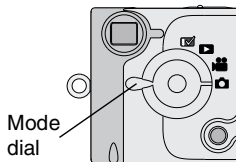
- 2 Orient the battery as shown on the inside of the battery door. Insert the battery at an angle so that the battery lock moves out of the battery path.



- 3 Push the battery all the way in so that the battery lock holds the battery in place.
- 4 Close the battery door.

NOTE: The battery must be charged before using. (See [page 42](#).)

Mode Dial Settings



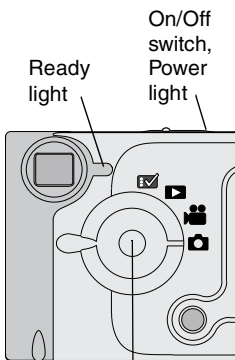
Still —take pictures and change picture-taking options

Video —take videos and change video-taking options

Review —view and work with your pictures and videos on the LCD

Setup —customize camera functions



Turning the Camera On and Off



Joystick/Select button:

- . Move ◀/▶▲/▼
- . Press to Select

Slide the On/Off switch to the On position.

The Power light blinks 3 times. The ready light blinks green while the camera performs a self-check. When the ready light glows steady green (and the Mode dial is set to Still  or Video ) , the camera is ready to take pictures or videos.

In Still and Video modes, a live view and a status bar appear on the LCD.

To turn live view on or off, press the Select button.

To turn off the camera, slide the On/Off switch to the Off position.

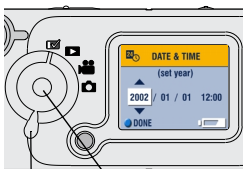
The camera completes operations that are in process.

Built-in Lens Cover





The lens has a built-in cover that protects it from dust and scratches. The cover opens when the camera is turned on and closes when the camera is turned off.

Setting the Clock





The Date & Time Set screen is displayed the first time you turn on the camera. To set date and time after that:



Mode dial Joystick/
Select button

- 1 Turn the camera on and turn the Mode dial to Setup .
- 2 Move the joystick / to highlight Date/Time Set , then press the Select button.

The date format is YYYY/MM/DD. The time is displayed in a 24-hour format.


- 3 Move the joystick / to adjust the date and time settings. Move the joystick / to move through the fields.
- 4 Press the Select button to accept the changes.
- 5 Press the Menu button to turn off the menu.


The setting remains until you change it.

Checking the Battery Level

Before using the camera, turn it on and check the status bar.

No battery symbol—battery is charged.

Low —recharge battery soon.

Exhausted (blinking) —Recharge the battery; it is too weak to power the camera. The ready light blinks red for five seconds, then the camera turns off.

Extended use of these features can shorten battery life:



- Using the LCD as the viewfinder (see [page 11](#) and [page 19](#))
- Reviewing pictures and videos on the LCD (see [page 25](#))
- Using the flash

Battery-Saving Features








The LCD or camera turn off when the camera has been inactive.

Mode	If no activity, LCD turns off after:	If no activity, camera turns off after:
Still, Video - LCD On	1 minute	8 minutes
Still, Video - LCD Off		8 minutes
Still, Video - Menu On	1 minute	8 minutes
Still, Video - QuickView on	5 seconds	8 minutes
Review - Normal	1 minute	8 minutes
Review - Slide show	1 minute after slide show ends	8 minutes
Setup - Normal	1 minute	8 minutes





Checking Camera Status

To check which camera settings are active, turn the Mode dial to Still  or Video , then turn on the camera.

Status Bar Icons

		 Best  Good	 99	 Internal memory  Memory Card
Self Timer	Flash mode	Quality	Pictures remaining	Storage location

Screen Icons

			
Magnification	Date stamp	Low battery	Exhausted battery (blinking)

Inserting an MMC/SD Card

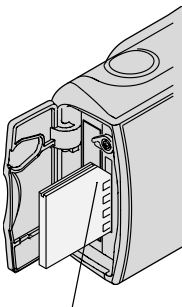
Optional MMC/SD cards provide removable, reusable storage for pictures and videos.



CAUTION:

The card can only be inserted one way; forcing it may damage the camera or card.

Do not insert or remove a card when the green ready light is blinking; doing so may damage your pictures, card, or camera.



Notched corner of card

To insert an MMC/SD card:

- 1 Turn off the camera.
- 2 Open the card door.
- 3 Orient the card as shown.
- 4 Push the card into the slot to seat the connector. (To remove the card, push it in, then release it. When the card is partially ejected, pull it out.)
- 5 Close the door.

See [page 66](#) for storage capacities. Purchase KODAK MULTIMEDIACARDS and KODAK SD Cards on our Web site at <http://www.kodak.com/go/accessories>.

Choosing Internal Memory or MMC/SD Card

The camera offers two options for storing pictures and videos:

Internal Memory—store pictures and videos in the 8 MB internal memory.




MMC/SD Card—store as many pictures as you like, depending on the size of the card. Purchase cards on our Web site at

<http://www.kodak.com/go/accessories>. For storage capacities, see [page 66](#).

You can capture pictures and videos on a card, then copy your favorites into internal memory (see [page 31](#)).

Changing Your Storage Location Setting

Use the Image Storage menu, available in all positions on the Mode dial, to change the setting.

- 1 Turn on the camera.
- 2 Press the Menu button.
- 3 Move the joystick / to highlight Image Storage .
- 4 Press the Select button.



Menu button

- 5 Highlight an option, then press the Select button:

Auto (default)—the camera uses the card if one is installed in the camera. If no card is installed, the camera uses internal memory.

Internal Memory—the camera always uses internal memory, even if a card is installed.

- 6 Highlight Continue, then press the Select button again.

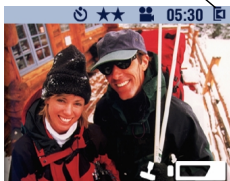
The camera changes storage locations. The setting remains until you change it and applies to all camera functions.




- 7 Press the Menu button to turn off the menu.

Checking Your Storage Setting

In **Still and Video modes**, the storage location icon that is displayed in the status bar indicates the camera's storage location.

Storage location setting



- 1 Turn the Mode dial to Still  or Video .
- 2 Move the joystick  and check the storage location icon in the status bar.

 —Memory Card


 —Internal Memory

Checking Your Picture's Location


In **Review mode**, the storage location icon that is displayed with a picture indicates the **location of the picture or video**, not the camera setting.


Picture or video location




Turn the Mode dial to Review .

The storage location icon indicates the specific location of the picture or video.

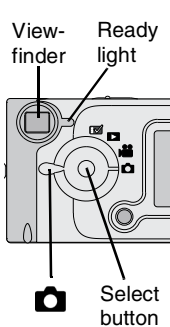
 —Picture is stored on a card


 —Picture is stored in internal memory

2 Taking Pictures

Use the Still setting  to take pictures or to customize picture-taking settings. Before you take a picture, make sure your picture storage location is set the way you want it ([see page 9](#)).

Taking a Picture



- 1 Turn the Mode dial to Still .
- 2 Use the LCD to frame your subject. (If you need to conserve battery power, press the Select button to turn off the LCD. Then use the Viewfinder to frame your subject.)
- 3 Press the Shutter button half-way to set the exposure, then completely down to take the picture.

The ready light blinks green while the picture is saved.

The ready light blinks yellow while the flash is recharging.



CAUTION:



Do not insert or remove a card when the green ready light is blinking. Doing so may damage your pictures, card, or camera.

Reviewing/Deleting the Picture Just Taken

After you take a picture, the LCD displays that picture for approximately 5 seconds. While the picture is displayed, you can:

- Review it. If you take no action, the picture is saved. To redisplay a picture after 5 seconds, move the joystick ▼.
- Delete it:





- 1 While the picture and  are displayed, move the joystick .

The Delete Picture? screen appears.

- 2 Highlight Yes, then press the Select button.
The picture is deleted.

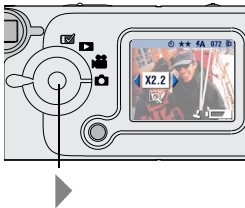
To turn the QuickView feature on or off in Still mode:



- 1 Turn the Mode dial to Still , then press the Menu button.
- 2 Highlight the QuickView menu , then press the Select button.
- 3 Highlight an option, then press the Select button.
- 4 Press the Menu button to turn off the menu.

Using the Digital Zoom

The Digital Zoom provides up to 3X magnification of your pictures. You may notice a decrease in printed image quality when using Digital Zoom.

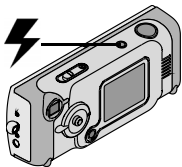



- 1 Turn the Mode dial to Still . Use the LCD to frame your subject.
- 2 Move the joystick to begin zooming. Keep the button pressed for continuous magnification, or release it at any point.
The LCD displays the zoomed image and the magnification level.
- 3 Press the shutter button.
- 4 Move the joystick to zoom out and to turn off Digital Zoom.

NOTE: Digital Zoom is automatically turned off when the Mode dial is changed, the camera is turned off, or when the camera enters Sleep mode.

Using the Flash

When you take pictures at night, indoors, or outdoors in heavy shadows, your use the flash. The camera flash is effective when you are 2.5 to 8.2 feet (0.75 to 2.5 m) from your subject.



Press the  button repeatedly to scroll through the flash options.

The flash icon that is displayed on the LCD Status Bar (see page 7) is the active option.



Auto Flash—flash fires when the lighting conditions require it.



Off—flash never fires.



Fill—flash fires every time you take a picture, regardless of the lighting conditions.



Night Shot—flash fires every time you take a picture, regardless of the lighting conditions. In dark scenes, the shutter speed is set to 1/2 second to capture close and background subjects.




Red-eye—flash fires once so the subject's eyes become accustomed to the flash, then fires again when the picture is taken. The Red-eye option remains in effect until you change it.

NOTE: All flash options (except Red-eye) revert to Auto when the camera is turned off.

Setting Picture Quality

Use the Quality setting to select a picture resolution:



- 1 Turn the Mode dial to Still , then press the Menu button.
- 2 Highlight Quality **★★**, then press the Select button.
- 3 Highlight an option:

Best (1752 x 1168)—for larger print sizes; produces higher picture resolution, more detail, and larger file sizes.

When Best Quality is set, two stars are displayed on the LCD status bar.

Good (876 x 584)—for smaller print sizes, e-mailing, or screen display; pictures are lower resolution and file sizes are smaller.

When Good Quality is set, one star is displayed on the LCD status bar.

- 4 Press the Select button.
- 5 Press the Menu button to turn off the menu screen.



This setting remains until you change it.

Putting Yourself in the Picture

The Self Timer creates a 10-second delay between the time you press the Shutter button and the time the picture is taken. This setting is ideal when you want to include yourself in the picture.



Turn on the Self Timer:

- 1 Turn the Mode dial to Still , then press the Menu button.
- 2 Highlight Self Timer , then press the Select button.
- 3 Highlight On, then press the Select button.
- 4 Press the Menu button to turn off the menu screen.

Take the picture:

- 1 Place the camera on a flat surface or use a tripod.
- 2 Compose the picture, then press the Shutter button all the way down.

The red Self Timer light, located on the front of the camera, blinks for 10 seconds before the picture is taken.



The Self Timer feature turns off after you take the pictures.

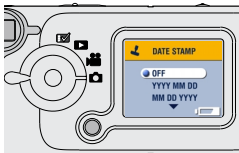
Self Timer light



Placing the Date on Pictures

Use the Date Stamp setting to imprint the date on your pictures.


- 1 Make sure the camera clock is set to the correct date ([page 5](#)).
- 2 Turn the Mode dial to Still , then press the Menu button.
- 3 Highlight Date Stamp , then press the Select button.



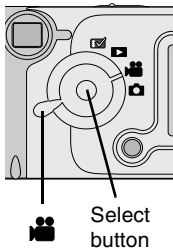
- 4 Highlight an option:
yyyy/mm/dd (2002/01/01)
mm/dd/yyyy
dd/mm/yyyy
- 5 Press the Select button.
- 6 Press the Menu button to turn off the menu.



The current date is printed in the bottom right corner of new pictures. This setting remains until you change it.

3 Taking Videos

Use the Video setting  to take videos or to customize video-taking settings. Before you take a video, make sure your picture storage location is set the way you want it (see page 9).

Taking a Video



- 1 Turn the Mode dial to Video .
A live image, the status bar, and the recording time available appear in the LCD. (To turn the status bar on or off, move the joystick .)
- 2 Frame your subject on the LCD. (If you need to conserve battery power, press the Select button to turn off the LCD. Then use the Viewfinder to frame your subject.)
- 3 Press the Shutter button half-way until the ready light glows green, then either:

- **Press and release**—press the Shutter button completely down and release within 2 seconds. Press the Shutter button again to stop recording.
- **Press and hold**—continue pressing and holding the Shutter button completely down. Release the Shutter button to stop recording.

The ready light blinks green while the camera is recording. Recording stops if you reach the specified video length interval (see page 24) or when the current storage location is full.

NOTE: See page 66 for video storage capacities.

Reviewing/Deleting the Video Just Taken

After you take a video, the LCD displays the first frame of the video for approximately 5 seconds. While the frame is displayed, you can:



Joystick/ Select
button



- Take no action; the video is saved. To redisplay the frame after 5 seconds, move the joystick ▼.
- Play the video: Press the Select button.

NOTE: Sound is recorded during a video, but not played on the camera. When a video is transferred to a computer or played on a television, audio accompanies it.

- Delete the video:
 - 1 Move the joystick ►.
The Delete Video? screen appears.
 - 2 Highlight Yes, then press the Select button.
The video is deleted from the camera.

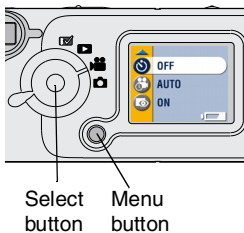
To turn the QuickView feature on or off in Video mode:





- 1 Turn the Mode dial to Video , then press the Menu button.
- 2 Highlight the QuickView menu , then press the Select button.
- 3 Highlight an option, then press the Select button.
- 4 Press the Menu button to turn off the menu.

Putting Yourself in the Video

The Self Timer creates a 10-second delay between the time you press the Shutter button and the time video recording begins. This setting is ideal when you want to include yourself in the video.



Turn on the Self Timer:

- 1 Turn the Mode dial to Video , then press the Menu button.
- 2 Highlight Self Timer , then press the Select button.
- 3 Highlight On, then press the Select button.
- 4 Press the Menu button to turn off the menu.



Take the video:

- 1 Place the camera on a flat surface or use a tripod.
- 2 Compose the scene, then press the Shutter button.

The red Self Timer light blinks for 10 seconds, then stays on while the video is recording.



- 3 To stop recording, press the Shutter button.
The Self Timer turns off after you take the video.

Setting Video Quality

Use the Video Quality setting to select a video resolution.



Select button Menu button

- 1 Turn the Mode dial to Video , then press the Menu button.
- 2 Highlight Video Quality , then press the Select button.
- 3 Highlight an option:

Best (320 x 240)—for more detail. Good for display on a television or computer monitor. Produces higher resolution and larger file sizes.

When Best Quality is set, two stars ★★ are displayed on the LCD status bar.

Good (160 x 120)—for e-mailing or LCD display; conserves storage space. Produces lower resolution and smaller file sizes.

When Good Quality is set, one star ★ is displayed on the LCD status bar.

- 4 Press the Select button.
- 5 Press the Menu button to turn off the menu.

This setting remains until you change it.

NOTE: Some older MMC/SD cards are not able to record video at Best Quality. To resolve this situation, change the Quality setting to Good or change the storage location to internal memory (see [page 9](#)).

Displaying the Date/Time on Videos


To display the video capture date and time for the first five seconds of the video playback:

1 Make sure the camera clock is set to the correct date ([page 5](#)).



Select
button

Menu
button

2 Turn the Mode dial to Setup .

3 Highlight Video Playback Display , then press the Select button.



4 Highlight an option, then press the Select button.



5 Press the Menu button to turn off the menu.

Setting Video Length

You can specify a recording time limit. Use the Video Length setting to conserve space or to set all videos to the same length.



Select button Menu button

- 1 Turn the Mode dial to Video , then press the Menu button.
- 2 Highlight Video Length , then press the Select button.
- 3 Highlight an option:

Unlimited (default)—records until you stop recording or until the current storage location is full.


5, 15, or 30 Seconds—records for the specified time or until the current storage location is full.

- 4 Press the Select button.
- 5 Press the Menu button to turn off the menu.

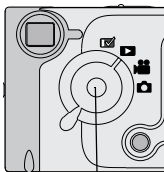
This setting remains until you change it.

NOTE: If the current storage location does not have enough space to record for the specified time, the ready light turns red when you turn off the menu. A memory full message appears if you attempt to take a video. See [page 66](#) for video storage capacities.


4 Reviewing Pictures and Videos

Use the Review setting  to display and work with pictures and videos that are stored in internal memory or on a card.


Navigating Through Pictures and Videos



Joystick/ Select button






- 1 Turn the Mode dial to Review .




The camera displays the last picture or video that was taken or reviewed.

- 2 Move the joystick  to scroll backward or forward through pictures and videos. For fast scrolling, press and hold the joystick.

When you release the joystick, the current picture or video is displayed on the LCD.



The icons displayed with the picture or video indicate applied features:

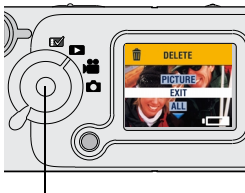
			 Internal memory
Print order	Protect	Frame number	 Card
Picture Location			

		
Date Stamp	Low battery	Exhausted battery (blinking)

Deleting Pictures and Videos

Use the Delete feature to delete one or all pictures and videos.

- 1 Turn the Mode dial to Review , then press the Menu button.
- 2 Highlight Delete , then press the Select button.



Select button


- 3 Highlight an option:

PICTURE or VIDEO—deletes the displayed picture or video.

EXIT—returns to the Review menu.




ALL—deletes pictures and videos on the card or in internal memory, depending on your storage location setting.

NOTE: Protected pictures and videos cannot be deleted; remove protection before deleting ([page 27](#)).

- 4 Press the Select button.
- 5 To stay in Delete mode, move the joystick  to scroll to different pictures and videos. To exit Delete mode, press the Menu button.

Magnifying Pictures

Use the Magnify feature to zoom in to different areas of the picture.

- 1 Turn the Mode dial to Review , then press the Menu button.
- 2 Highlight Magnify , then press the Select button.
The picture is displayed at 2X magnification; the menus disappear.
- 3 Move the joystick  to navigate to different parts of the picture.
- 4 Press the Select button to redisplay the picture at the original size.
- 5 Press the Menu button to turn off the menu.

Protecting Pictures and Videos From Deletion

Use the Protect feature to prevent specific pictures and videos from being deleted.






CAUTION:

Formatting internal memory or a card deletes all (including protected) pictures and videos.



To protect a picture or video:

- 1 Turn the Mode dial to Review , then locate the picture or video to protect.
- 2 Press the Menu button.
- 3 Highlight Protect , then press the Select button.

The picture or video is protected and cannot be deleted. The Protect icon  appears with the protected picture or video whenever it is displayed.

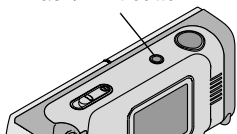
- 4 To remove protection, press the Select button again.
- 5 Press the Menu button to turn off the menu.


Selecting Pictures for Printing

Use the Print Order feature to select specific pictures on a card for printing. When you insert the card into a printer equipped with an MMC/SD card reader, the selected pictures are printed.

Creating a Print Order

Flash/Print button



- 1 Turn the Mode dial to Review . Locate a desired picture, then press the Flash/Print button.
- 2 Highlight an option:
 - CURRENT PICTURE**—selects the currently displayed picture for printing.
 - ALL PICTURES**—selects all pictures on the card for printing.
 - CANCEL PRINT ORDER**—cancels the entire print order from the card.
 - EXIT**—returns to the previous menu.
- 3 Press the Select button and follow the on-screen directions.



When the # Copies message appears, move the joystick $\blacktriangle/\blacktriangledown$ to select the desired number of copies (0-99). Zero cancels the order for that picture.

The Print Order icon  appears with the ordered pictures.

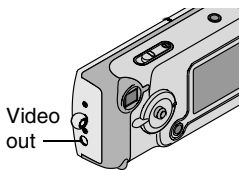
Printing Your Order

Insert the card containing the Print Order into a direct-print-enabled printer. Refer to the User's Guide provided with your printer for further directions.

Running a Slide Show

Use the Slide Show feature to sequentially display your pictures and videos on the camera LCD, on a television screen, or on any external display device equipped with a video input (such as a computer monitor or digital projector).

NOTE: Ensure that the Video Out setting is correctly set to NTSC or PAL (see [page 34](#)).





To run the slide show on a television:

- 1 Connect the video cable from the video-out port on the camera to the video-in port on the television. (Refer to your television User's Guide for details on video-in setup.)

The camera LCD turns off; the television screen acts as the camera display.

- 2 Proceed with the next section, [Starting the Slide Show](#).

Starting the Slide Show

- 1 Turn the Mode dial to Review , then press the Menu button.
- 2 Highlight Slide Show , then press the Select button.



- 3 Highlight Begin Show, then press the Select button.

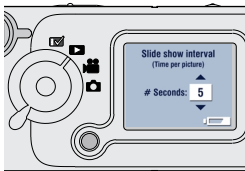
Each picture and video is displayed once, in the order in which you took them. Then the camera returns to the Menu screen.

- 4 To cancel the Slide Show, press the Select button.

NOTE: If you connect or disconnect the video cable while a slide show is running, the slide show stops.

Changing the Display Interval

The factory interval setting displays each picture for 5 seconds. You can increase the display interval to up to 60 seconds.



- 1 On the Slide Show menu, highlight Interval, then press the Select button.
- 2 Select a display interval.
To scroll through the seconds quickly, press and hold the joystick /.
- 3 Press the Select button.

The interval setting remains until you change it.

Copying Pictures and Videos

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

Before you copy, make sure that:

- A card is inserted in the camera.
- The camera's picture storage location is set to the location **from** which you are copying. See [Choosing Internal Memory or MMC/SD Card](#), page 9.

Copy pictures or videos:

- 1 Turn the Mode dial to Review  and press the Menu button.
- 2 Highlight Copy , then press the Select button.



- 3 Highlight an option:

PICTURE or VIDEO—copies the current picture.

EXIT—returns to the Copy screen.


ALL—copies all pictures from your selected storage location to the other location.

- 4 Press the Select button.

A progress bar monitors the copy process until copy is complete. (For information on picture numbering, see [page 70](#).)




NOTE: Pictures and videos are copied, not moved. To remove the pictures and videos from the original location after they are copied, delete them (see [page 26](#)). Protection settings are not copied. To apply protection to a picture or video, see [page 27](#).

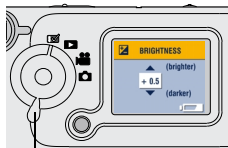
5 Customizing Your Camera Settings

Use Setup  to customize camera settings according to your preferences.

Adjusting LCD Brightness

You can adjust the LCD brightness to make the display easier to see.

- 1 Turn the Mode dial to Setup .
- 2 Highlight Display Brightness , then press the Select button.
- 3 Move the joystick  to scroll through the brightness settings.
The available brightness settings are -2.0 to +2.0 in 0.5 increments. The camera default is 0.0.
The screen previews the changes as you scroll through the settings.
- 4 Press the Select button.





The highlighted setting is applied. This setting remains until you change it.

Setting Video Out

The Video Out feature lets you match the camera's video signal to the standard for your geographical location. Video Out must be set correctly to run a slide show on a television or other external device.





- 1 Turn the Mode dial to Setup .
- 2 Highlight Video Out , then press the Select button.
- 3 Highlight an option:
NTSC—used in most countries except those in Europe. The United States and Japan use NTSC.
PAL—used in European countries.
- 4 Press the Select button to accept the change and return to the Setup menu.

This setting remains until you change it.

Selecting a Language

The Language feature lets you display menus and screen messages in different languages.





- 1 Turn the Mode dial to Setup .
- 2 Highlight Language , then press the Select button.
- 3 Highlight an option.
- 4 Press the Select button to accept the changes and return to the Setup menu.

The screen text is displayed in the selected language. This setting remains until you change it.

Viewing Camera Information

The About this Camera feature displays information that is helpful if you need to call for service on your camera.



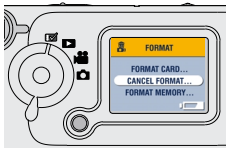
- 1 Turn the Mode dial to Setup .
 - 2 Highlight About , then press the Select button.
- The camera information is view-only and includes the camera model and the current firmware version.*
- 3 To exit About, press the Select button.



Formatting Memory or MMC/SD Card



CAUTION:

Formatting deletes all pictures and videos. Removing a card during formatting may damage the card. Once formatting begins, it is completed even if you turn off the camera or change the Mode dial position.



- 1 Turn the Mode dial to Setup .
- 2 Highlight Format , then press the Select button.
- 3 Highlight an option:
 - FORMAT CARD**—deletes everything on the card and reformats the card for use in the camera.
 - CANCEL FORMAT**—exits without making a change.
 - FORMAT MEMORY**—deletes everything in internal memory.
- 4 Press the Select button.
- 5 Highlight Continue Format, then press the Select button.

When the formatting is complete, the Setup menu is redisplayed.

6 Installing the Software



CAUTION:

Install the software from the KODAK Software CD before connecting the camera or dock to the computer. Failure to do so may cause the software to load incorrectly.

Computer System Requirements

For acceptable transfer and editing, we recommend these minimum requirements:

WINDOWS-Based System Requirements

- Personal computer designed for WINDOWS 98, 98SE, ME, 2000, or XP
- 200 MHz processor
- RAM:
 - 48 MB minimum (96 MB recommended) for WINDOWS 98, 98SE, ME
 - 64 MB minimum (128 MB recommended) for WINDOWS 2000, XP
- 720 MB of available hard disk space
- CD-ROM drive
- Available USB port or MMC/SD card reader
- Color monitor with a minimum resolution of 800 x 600 pixels; High Color (16-bit) or True Color (24-bit) recommended

MACINTOSH System Requirements

- POWERPC-based MACINTOSH computer
- MACINTOSH OS 8.6, 9.x, X
- 64 MB of available RAM
- 100 MB of available hard disk space
- CD-ROM drive
- Built-in USB port or MMC/SD card reader
- Color monitor with a minimum resolution of 800 x 600 pixels; (thousands or millions of colors recommended)

Software Included With Your Camera

The KODAK Software CD contains the following applications that let you access, transfer, and have fun with your digital pictures. For details on using the applications, refer to the Help supplied with each application.

KODAK Picture Transfer Software

Automatically transfer your pictures from the camera to the computer, organize, and rename your picture files if you wish. See [page 41](#) for more information.

KODAK Software

After you have transferred your pictures to your computer, use KODAK Software to:

- View and share your pictures.
- Add special effects, make a custom slide show, fix red-eye, crop and rotate, and much more.
- E-mail your pictures to friends and family.

KODAK Camera Connection Software

KODAK Camera Connection Software displays the camera as a removable drive on your desktop. Access the pictures in your camera as you would the contents of any removable drive to transfer, copy, move, rename, or delete the pictures. For more information, see [page 44](#).

QUICKTIME Software

QUICKTIME lets you play back the portable slide show (KODAK Picture Road Show) that you create in KODAK Software. For more information, refer to the QUICKTIME Help.

MACINTOSH OS X Notice

OS X ships with an image capture application that provides the functionality of KODAK Camera Connection Software and KODAK Picture Transfer Software. **Do not install KODAK Camera Connection Software or KODAK Picture Transfer Software;** they are unnecessary and will not function if installed on OS X.

You may wish to install KODAK Software for picture viewing, editing, and sharing. Picture Software installs and runs with OS X in Classic mode.

Install the Software

- 1 Before you begin, close all software applications.
- 2 Place the KODAK Software CD into the CD-ROM drive.
- 3 Load the software:

On a WINDOWS-based computer—if the first install window does not appear, choose Run from the Start menu and type the drive letter that contains the CD followed by `\setup.exe`. For example: **d:\setup.exe**

On a MACINTOSH computer—on the install window, click Continue. (For OS X, see [MACINTOSH OS X Notice](#).)

- 4 Follow the on-screen instructions to install the software. If prompted, restart the computer when the installation is complete.
 - To install all applications on the CD, select Typical when prompted.
 - To choose the applications you wish to install, select Custom when prompted. See [page 39](#) for a description of the applications that are included on the CD.

NOTE: When prompted, take a few minutes to electronically register your camera and software. This lets you receive information regarding software updates and registers some of the products included with the camera. You must be connected to your Internet service provider to register electronically.

7 Using the EASYSHARE LS420 Camera Dock

The KODAK EASYSHARE LS420 Camera Dock makes it easy to transfer your pictures to the computer. In addition, the dock is a rapid battery charger for the KODAK Rechargeable Li-Ion Battery and supplies power to the camera.

To keep the battery charged, store your camera in the dock whenever you are not using it.

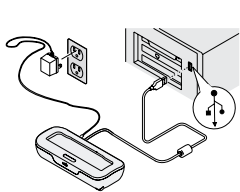



CAUTION:

Install the software from the KODAK Software CD before connecting the camera or dock to the computer. Failure to do so may cause the software to load incorrectly.

Connecting the Dock

NOTE: Do not connect to the computer if the camera is in the dock.

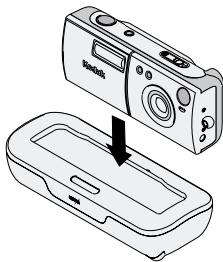


- 1 Plug the  labeled end of the USB cable into the USB port on your computer. If the computer port is not labeled, see your computer User's Guide.
- 2 Plug the other end of the USB cable into the USB connector on the back of the dock.
- 3 Plug the AC adapter into the back of the dock and into a power outlet.

Leave the dock connected to the computer to transfer pictures, charge the battery, and provide power to the camera.

Charging the Battery

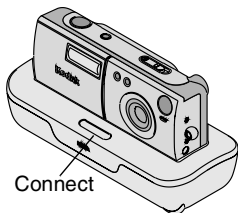
The battery is not charged at the factory.



- 1 Make sure the battery is installed in the camera. Turn off the camera.
- 2 Place the camera straight down into the dock. Charging begins after a few seconds.
 - The dock light glows red while charging, then glows green when the battery is fully charged.
 - Full charging takes about 3 hours. After the battery is fully charged, the dock senses battery power and resumes charging whenever necessary. Under these conditions, there is no red light while charging.
 - Charging stops if you turn on the camera. If the camera is docked and inactive for 8 minutes, it automatically turns off (and charging resumes).

Transferring Pictures and Videos

To transfer pictures from your camera to your computer:



- 1 Place the camera in the dock.
- 2 Push the Connect button.

The dock light blinks green while the connection to the computer is active.

KODAK Picture Transfer Software transfers your pictures and videos.

KODAK Software opens so you can work with your pictures on your computer. For further details, see [page 44](#).

When your pictures are transferred, leave the camera in the dock. The Dock monitors battery power and charges when necessary.

NOTE: You can also use a KODAK SD/MULTIMEDIA Card Reader-Writer to transfer your pictures and videos. See your KODAK retail dealer or visit our Web site at <http://www.kodak.com/go/accessories>.

Working With Your Pictures

When your pictures are transferred, KODAK Picture Transfer Software closes and KODAK Software opens.

In the KODAK Software window, click the thumbnail of the picture with which you would like to work. The picture appears in the main window. Click the Help button (?) for details on how to:

- Add special effects, make a custom slide show, fix red-eye, crop and rotate
- E-mail to family and friends
- Print to your personal printer

KODAK Camera Connection Software Help

For detailed information on using Camera Connection Software, refer to the Help:

On a WINDOWS computer—right-click the camera icon in the My Computer window, then select Camera Help.

On a MACINTOSH system—on the Finder menu bar, choose Camera → Camera Help.

Printing Your Pictures

Choose your favorite method to enjoy long-lasting prints of your digital pictures.

From KODAK Software

- Print to your home printer with KODAK Premium Picture Paper.

From a Card

- Use the Print Order feature ([page 28](#)) to print from a card to a direct-print-enabled printer.
- Take your card to your local photo retailer for printing.

8 Troubleshooting Problems

There may be times when you have questions about using your camera or Camera Dock.

Additional technical information is available in the ReadMe file located on the KODAK Software CD. For updates to Troubleshooting information, visit our Web site at <http://www.kodak.com/go/Is420support>.

Troubleshooting—Camera

MMC/SD Card		
Problem	Cause	Solution
The camera does not recognize your MMC/SD Card.	The card may be corrupt.	Reformat the card (page 36). Caution: Formatting deletes all pictures from the card.
	No card is inserted in camera.	Insert a card.
	Data on the SD card is encrypted.	Decrypt the card using your computer or use another card.
	The SD card is locked internally.	Unlock the card using your computer or use another card.
An MMC card holds only 5 seconds of video in Best mode.	The write speed of some older cards is not adequate.	Replace the card or use internal memory.
The camera freezes up when a card is inserted or removed.	Camera detects an error.	Turn the camera off, then back on. Make sure the camera is off when inserting or removing a card.

Camera Communications		
Problem	Cause	Solution
Pictures and videos are not transferred from the camera to the computer.	There is a problem with the configuration of the USB port on your computer.	See the following file on the KODAK Software CD: USB.html Or, visit http://www.kodak.com/go/picsoftdownload and click Service and Support.
	Some Advanced Power Management utilities on laptops can turn off ports to save battery life.	See the Power Management section of your laptop user's guide to disable this feature.
	The USB cable is not securely connected.	Connect the cable to the Camera Dock and computer ports (page 41).
	Software is not installed.	Install the software (page 40).
	Too many applications are running on your computer.	Disconnect the Camera Dock. Close all software applications, reconnect the Camera Dock, and try again.
	The Battery Monitor or similar software runs constantly.	Close that software before starting the KODAK Software.

Camera		
Problem	Cause	Solution
The Shutter button does not work.	The camera is not turned on.	Turn on the camera (page 4).
	The camera is processing a picture; the ready light is blinking.	Wait until the light stops blinking before attempting to take another picture.
	The card or internal memory is full.	Transfer pictures to your computer (page 43), delete pictures from the camera (page 26), switch storage locations (page 9), or insert a card with available memory.
	Mode dial is not in the Still or Video position.	Turn Mode dial to the Still or Video position.
Part of the picture is missing.	Something was blocking the lens when the picture was taken.	Keep hands, fingers, or other objects away from the lens when taking pictures.
	Your eye or the picture was not centered correctly in the viewfinder.	Leave space around subject when centering picture in viewfinder or use the LCD.

Camera		
Problem	Cause	Solution
In Review mode, you do not see a picture on the LCD or do not see the picture you expected.	The camera may not be accessing the correct storage location.	Check the picture storage location setting (page 9).
A picture is too dark.	The flash is not on or did not function.	Turn on the flash (page 14).
	The subject is too far away for the flash to have an effect.	Move so there is no more than 8.2 feet (2.5 m) between the camera and the subject.
	The subject is in front of a bright light (backlit).	Change your position so the light is not behind the subject or use Fill flash.
The camera does not turn on.	The battery is not properly installed.	Remove and reinstall the battery (page 3).
	The battery is not charged.	Recharge the battery (page 42).

Camera		
Problem	Cause	Solution
A picture is too light.	The flash is not needed.	Change to Auto Flash (page 14).
	The subject was too close when the flash was used.	Move so there is at least 2.6 feet (0.8 m) between the camera and the subject.
Stored pictures are damaged.	The card was removed when the ready light was blinking.	Make sure the ready light is not blinking before removing the card.
The Pictures Remaining number does not decrease after taking a picture.	The picture does not take up sufficient space to decrease the picture remaining number.	The camera is operating normally. Continue taking pictures.

Camera		
Problem	Cause	Solution
A picture is not clear.	The lens is dirty.	Clean the lens (page 67).
	The subject was too close when taking picture.	Move so there is at least 2.6 feet (0.8 m) between the camera and the subject.
	The subject or the camera moved while the picture was taken.	Hold the camera steady while taking the picture.
	The subject was too far away for the flash to be effective.	Move so there is no more than 8.2 feet (2.5 m) between the camera and the subject.
	Flash mode is set to Off or Night Shot.	When using these modes, use tripod (or change to Auto flash mode).
A slide show does not run on external video device.	The Video Out setting is incorrect.	Adjust the camera Video Out setting (NTSC or PAL, page 34).
	The external device is set incorrectly.	Refer to the external device's user's guide.
Video sound does not play in Review mode.	The camera does not have a speaker.	When the video is transferred to a computer or connected to a television, audio accompanies the video.
A slide show does not run on LCD screen.	The camera may not be accessing the correct storage location.	Check the picture storage location setting (page 9).

Camera Ready Light

The ready light glows steady green when the camera is on and ready to take a picture.

Problem	Cause	Solution
The Ready light does not turn on and the camera does not work.	The camera is not turned on.	Turn on the camera (page 4).
	The battery is exhausted.	Recharge the battery (page 3).
The Ready light blinks red.	The battery is low.	Recharge the battery (page 3).
The Ready light glows steady red.	The camera's internal memory or card is full.	Transfer pictures to your computer (page 43), delete pictures from the camera (page 26), switch storage locations (page 9), or insert a card with available memory.
The Ready light blinks green.	A picture is being processed and saved to the camera.	Wait. Resume picture taking when the light stops blinking.
The Ready light blinks yellow.	The flash is not charged.	Wait. Resume picture taking when the light stops blinking and turns green.
	Auto Exposure is not locked.	Release the Shutter button and recompose the picture.

LCD Messages		
Message	Cause	Solution
No images to display	No pictures are in the current storage location.	Change your picture storage location setting (page 9).
Memory card requires formatting	The card is corrupted, or formatted for another digital camera.	Insert a new card (page 8) or format the card (page 36).
Memory card cannot be read (Please format the card or insert another card)		
Internal memory requires formatting	The camera's internal memory is corrupted.	Format the internal memory (page 36).
Internal memory cannot be read (Please format internal memory)		
No memory card, Files not copied	There is no card in the camera. Your pictures were not copied.	Insert a card (page 8).
Not enough space to copy files	There is not enough space in the location you are copying to (internal memory or the card).	Delete pictures from the location you are copying to (page 26), or insert a new card.

LCD Messages		
Message	Cause	Solution
Date/Time entryscreen appears automatically	This is the first time you turned on the camera; or the battery has been removed for an extended period of time; or the battery is exhausted.	Reset the clock (page 5).
Camera may need service #xxx	A camera error has occurred.	Turn off the camera, then turn it back on. If the error message is still displayed, call for service (page 60).
High camera temperature. Camera will be turned off.	The internal temperature of the camera is too high for the camera to operate. The ready light glows red and the camera will turn off in five seconds.	Leave the camera off for several minutes, then turn it back on. If the message reappears, repeat the sequence above until the message does not appear.
Memory card is full	There is no more space on the card in the camera.	Delete pictures from the card (page 26), insert a new card, or change storage location to internal memory (page 9).
Internal memory is full	There is no more space on the camera's internal memory.	Delete pictures from the internal memory (page 26) or change storage location to Auto and insert card (page 9).

LCD Messages		
Message	Cause	Solution
Unrecognized file format	The camera cannot read the picture format.	Transfer the unreadable picture to the computer (page 43), or delete the picture (page 26).
Card is write protected internally	Access lock was added using software.	Use software to remove lock; cannot be removed by the camera.
Card is locked. (Insert new card.)		
Card is protected. (Reset switch on card.)	Lock switch on side of card is in Locked position.	Slide lock switch to remove write protection.
Card is unusable. (Insert new card.)	Card voltage must range between 3.0 and 3.6 volts.	Replace the card.

Troubleshooting—Camera Dock

Camera Dock		
Problem	Cause	Solution
Pictures are not transferred to the computer	The AC adapter or USB cable is not securely connected.	Check the connections (page 41).
	Software is not installed.	Install the software (page 40).
	Too many applications are running on your computer.	Close all software applications and try again.
	The camera was removed from the Camera Dock during picture transfer.	Replace the camera on the Camera Dock and press the Connect button.
	The Connect button was not pressed.	Press the Connect button.

Camera Dock indicator light		
Light Status	Cause	Solution
The light glows steady green	The camera is docked.	The camera and Camera Dock are operating normally.
The light glows steady red	The camera Dock is charging battery.	
The light blinks green	The connection (USB) between the computer and the Camera Dock is active.	
The light blinks red	The battery is installed incorrectly.	Reinstall the battery (page 3).
	The battery or connector pins are damaged.	Check for damage.
	The camera and battery have been exposed to very high or low temperatures.	Slowly return the camera and battery to room temperature.

9 Getting Help

If you need help with your camera or Camera Dock, it is available from a number of resources:

- [Troubleshooting—Camera, page 47](#)
- Software application Help
- Product information by fax
- Place of purchase
- World Wide Web
- Technical support

Software Help

Help with any software application packaged with your camera can be obtained from the Help provided with the application.

Kodak Online Services

World Wide Web

<http://www.kodak.com>

(click Service and Support)

Kodak Fax Support

U.S. and Canada

1-800-508-1531

Europe

44-0-131-458-6962

Telephone Customer Support

If you have questions concerning the operation of the software or camera, you may speak directly to a customer support representative.

Before You Call

Before you call to speak to a customer support representative, please have the camera connected to your computer, be at your computer, and have the following information available:

Operating system _____

Processor speed (MHz) _____

Computer model _____

Amount of memory (MB) _____

Exact error message you received _____

Version of installation CD _____

Camera serial number _____

Telephone Numbers

- **U.S.**—call toll free, 1-800-235-6325, between the hours of 9:00 a.m. and 8:00 p.m. (Eastern Standard Time) Monday through Friday.
- **Canada**—call toll free, 1-800-465-6325, between the hours of 9:00 a.m. and 8:00 p.m. (Eastern Standard Time) Monday through Friday.
- **Europe**—call the Kodak Digital Imaging Support Centre toll number associated with your location, or the U.K. toll line, 44-0-131-458-6714, between the hours of 09.00 and 17.00 (GMT/CET) Monday through Friday.

○ **Outside U.S. and Canada**—calls are charged at National Rate.

Australia	1800 147 701
Austria/Osterreich	0179 567 357
Belgium/Belgique	02 713 14 45
China	8008206027
Denmark/Danmark	3 848 71 30
Ireland/Eire	01 407 3054
Finland/Suomi	0800 1 17056
France	01 55 1740 77
Germany/Deutschland	069 5007 0035
Greece	0080044125605
Hong Kong	800901514
Italy/Italia	02 696 33452
Japan	81 3 5644 5500
Korea	0798 631 0024
Netherlands/Nederland	020 346 9372
New Zealand	0800 440 786
Norway/Norge	23 16 21 33
Portugal	021 415 4125
Spain/Espana	91 749 76 53
Sweden/Sverige	08 587 704 21
Switzerland/Schweiz/Suisse	01 838 53 51
Taiwan	0080861008
UK	0870 2430270

International Toll Line +44 131 4586714

International Toll Fax Number +44 131 4586962

For the most up-to-date listings, visit: <http://www.kodak.com/US/en/digital/contacts/DAIInternationalContacts.shtml>

10 Appendix

Camera Specifications

Camera Specifications		
Color		24-bit, millions of colors
Communication with computer	USB	Via Dock only
Dimensions	Width	4.3 inches (109 mm)
	Depth	1.1 inches (28.5 mm)
	Height	1.8 inches (45.5 mm)
	Weight	5.64 oz. (160 g) with battery and card
Exposure control		Automatic
Flash	Modes	Auto, Fill, Red-eye, Night Shot, Off
	Range	2.6 to 8.2 feet (0.8 to 2.5 m)
	Charging Time	5 seconds with charged battery
ISO		Automatic (100, 140, 200)
LCD		1.6 inch (40.6 mm), color, 55,000 pixels Preview rate: 19.1 fps

Camera Specifications		
Lens	Type	Optical quality glass, 4 element
	Maximum Aperture	Fixed: f/3.9
	Focal Length	38 mm (equivalent to 35mm camera)
	Focus Distance	2.6 feet (0.8 m) to infinity, fixed focus
Operating Temperature		32 to 104 ^o F (0 to 40 ^o C)
Picture file format, still		JPEG (EXIF)
Picture storage		8 MB internal; SD Card or MMC
Pixel resolution	2.1 MP	Best Quality—1752 x 1168 pixels Good Quality—876 x 584 pixels
Video resolution		Best Quality—320 x 240 pixels, 19.1 fps Good Quality—160 x 120 pixels, 19.1 fps
Power		Li-Ion, 3.7V, 1000mAh (included)
Self Timer		10 seconds
Tripod socket		Yes
Video Out		NTSC or PAL selectable
Viewfinder		Inverse-Galilean
White balance		Automatic
Zoom (still capture)		3X Digital zoom

Camera Dock Specifications

Camera Dock Specifications		
Communication with computer	USB	
Dimensions	Width	5.4 inches (137 mm)
	Depth	2.5 inches (57 mm)
	Height	1.3 inches (33.5 mm)
	Weight	2.8 oz. (80 g)
Indicator light	Green and red LED indicates operating/charging	
Input voltage	4.9 - 5.25V DC	

Original Factory Settings—Camera

Feature	Factory Setting
Flash	Auto
Picture Storage Location	Auto
Quality	Best
QuickView	On
Brightness	0.0
Video Out	NTSC
Date/Time	2002/01/01; 12:00
Language	English

File Storage Capacities

File sizes can vary. You may be able to store more or fewer pictures and videos. Purchase cards on our Web site at <http://www.kodak.com/go/accessories>.

	Number of pictures		Minutes/seconds of video	
	Best Quality ★★★	Good Quality ★	Best Quality ★★★	Good Quality ★
8 MB memory	12	49	35 sec.	1 min. 30 sec.
16 MB MMC/SD	24	98	1 min. 10 sec.	3 min.
32 MB MMC/SD	48	196	2 min. 20 sec.	6 min.
64 MB MMC/SD	96	392	4 min. 40 sec.	12 min.
128 MB MMC/SD	192	784	9 min. 20 sec.	24 min.
192 MB MMC/SD	295	1185	14 min.	36 min.

Tips, Safety, Maintenance

- Always follow basic safety precautions. Refer to the “Important Safety Instructions” booklet packed with your camera.



CAUTION:

Ensure that the AC adapter is plugged directly into an electrical outlet or resting flat on the floor, a desk, etc. The adapter should never hang so that it is suspended. Failure may cause damage to the cord and connections.

- Do not allow any chemicals, such as suntan lotion, to come into contact with the painted surface of the camera.
- If the camera has been subjected to inclement weather or you suspect water has gotten inside the camera, turn off the camera and remove the battery and card. Allow all components to air-dry for at least 24 hours before using the camera again.
- Clean the lens and LCD:
 - 1 Blow gently on the lens or LCD to remove dust and dirt.
 - 2 Moisten the lens or LCD by breathing lightly on it.
 - 3 Wipe the lens or LCD gently with a soft, lint-free cloth or an untreated lens-cleaning tissue.

Do not use cleaning solutions unless they are designed specifically for camera lenses. **Do not wipe the camera lens or LCD with chemically treated eyeglass lens tissue. It may scratch the lens.**
- Clean the outside of the camera by wiping with a clean, dry cloth. Never use harsh or abrasive cleaners or organic solvents on the camera or any of its parts.

Using the Battery

- Your camera uses 1 KODAK Rechargeable Li-Ion Battery. This battery can be purchased on our Web site at <http://www.kodak.com/go/accessories>.
- Do not touch the battery terminals with metallic objects.
- Do not place the battery on or near fires, stoves, or other high-temperature locations. Do not place the battery in direct sunshine, or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, explode, or ignite. Using the battery in this manner may also result in a loss of performance and shortened life expectancy.
- Immediately discontinue use of the battery if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, changes color, changes shape, or appears abnormal in any other way. Contact your sales location or Kodak if any of these problems are observed.
- It is important to use only a Kodak-specified (5V DC) AC adapter with your camera dock. Using a different adapter or one with a different voltage could damage your camera and battery.
- Use care when replacing the battery in the camera. If the battery is incorrectly replaced, there is a danger of explosion. Replace the battery only with the same or equivalent type recommended by the manufacturer.
- Do not recharge the battery for longer periods of time than specified. Do not continue charging the battery if it does not recharge within the specified charging time. Doing so may cause the battery to become hot, explode, or ignite.
- Remove the battery when the camera is stored for extended periods of time. Store the battery in a dry cool place and attach the cap.
- Always follow your battery manufacturer's directions fully. Do not attempt to disassemble, short circuit, or subject the battery to high temperature or fire.
- When using your camera on battery power, we recommend you limit continuous LCD Preview or Review to less than 10-minutes per session.

- When disposing of batteries, follow the manufacturer's instructions and any local and national regulations. Kodak suggests customers take advantage of any community battery recycling programs that may exist in your area. Contact your local waste remover or recycler for details.
- Read and follow all warnings and instructions supplied by the battery manufacturer. Keep all batteries out of the reach of children. Do not allow children to remove the battery from the charger or the digital camera.
- Discard used battery according to the manufacturer's instructions and all applicable local and national regulations. Utilize established community battery recycling programs where they are available.
- In the unlikely event that battery fluid leaks onto your skin, contact Kodak Health, Safety, and Environment Information at 1-716-722-5151 in the U.S. In the unlikely event that battery fluid leaks inside the camera, U.S. customers can contact the Kodak Information Center (KIC) at 1-800-242-2424. Customers outside the U.S. can contact their local Kodak Customer Service representative.
- When removing the battery, allow it to cool before touching, since the battery may be hot.

Locating Pictures on an MMC/SD Card

Pictures and videos stored on a KODAK MMC/SD Card use a standard agreed upon by many camera manufacturers. This lets you use the card in different cameras. If you use a card reader to retrieve your files, the following description of the card file structure may be helpful:

MISC folder—contains the Print Order file created when you use the Print Order feature.

SYSTEM folder—used for updating camera firmware.

DCIM folder—root level folder, contains the 100LS420 folder. Each time you turn on the camera or insert a different card, any empty folders within the DCIM folder are removed.

100LS420 subfolder—contains all the pictures taken when a card is inserted in the camera and the storage location is set to Auto.

Picture File Naming Conventions

The camera maintains separate and sequential numbering sequences for the pictures on a card (DCF compliant). Pictures are named DCP_####.JPG, and are numbered in the order in which they are taken. The first picture is named DCP_0001.JPG; the highest number allowed is DCP_9999.JPG.

File Naming Conventions on a Card

- When a card contains a picture named DCP_9999.JPG in the \DCIM\100LS420 folder, subsequent pictures appear in a new folder (\DCIM\101LS420), beginning with picture DCP_0001.JPG.
- Even if you transfer pictures to the computer or delete pictures from the camera, the camera continues to use consecutive numbers for all subsequent pictures. For example, if the last picture taken was DCP_0007.JPG and you delete it, the next picture you take is named DCP_0008.JPG.
- When you insert a different card into your camera, the next picture number is defined by incrementing the higher of the last picture taken by the camera, or the highest existing picture number in the folder.
- If you use the card in a camera other than the EASYSHARE LS420 camera, and that camera manufacturer adheres to the DCF file structure standard, the \DCIM folder contains a folder named by that camera. For more information, refer to the documentation that accompanied that camera.

Regulatory Information

FCC Compliance and Advisory

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

This 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.

Canadian DOC Statement

DOC Class B Compliance—This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the radio interference regulations of the Canadian Department of Communications.

Observation des normes-Class B—Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Classe B prescrites dans les règlements sur le brouillage radioélectrique édictés par le Ministère des Communications du Canada.

Japanese VCCI Statement

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。

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