RICOH

Caplio R3

Intelligent technology

meets compact smart design

for brilliant pictures.

28-200mm
optical **7.1x** zoom[*1]

Vibration Correction function

Effective megapixel
5.13 CCD

Battery power lasts
approx. **310** shots[*2]

● **Large 2.5-inch high-quality LCD monitor** ● **Top shutter release time lag: 0.007 sec.[*3]** ● **Skew correction function** ● **1cm macro**

*1 As of September 6, 2005, the Caplio R3 is the world smallest and slimmest digital camera with an optical 5x or greater zoom lens.

*2 Number of shots measured using CIPA standard parameters. Actual performance may vary according to usage conditions.

*3 Shutter release time lag with focus lock engaged and Vibration Correction OFF.

※ Focal lengths are 35mm film camera equivalents.

Performance Breakthrough.

28mm field of view

Great perspective at wide-angle 28mm ◀❙❙

Wide-angle 28mm delivers dynamic perspectives.

Ricoh's Caplio digital cameras are famous for delivering wide-angle 28mm perspectives that are impossible to capture with a common 35mm camera. Dynamic 28mm shows its strength especially in expansive scenes like stadiums and large buildings. Wide angle also enables you to achieve creative effects by, for instance, exaggerating the size of your subject relative to background objects. Best of all, the Caplio R3 is so slim and lightweight that this dazzling power of expression slips conveniently in your pocket.

35mm field of view

lens, new Vibration Correction function, and much more.

200mm field of view

▶ **Frame the scene with 200mm zoom**

200mm zoom enables unique framing. Vibration Correction function adjusts for handshake.

The Caplio R3 is the world's slimmest and most compact high-power zoom lens digital camera∗. With its 28mm-200mm 7.1x optical zoom lens, you have infinite possibilities for framing shots. For instance, make your subject stand out majestically from the background. Plus, the new Caplio R3 has a Vibration Correction function that helps to deliver sharp zoom pictures free from the blurry effects of handshake.

105mm field of view

Section marked indicates framing.

∗ As of September 6, 2005, the Caplio R3 is the world's smallest digital camera with an optical 5x or greater optical zoom lens.

Innovative Technology.

Advanced features for discerning photo

Ricoh focuses on giving photographers the ideal combination of advanced technology and compact size. From its powerful 28-200mm optical zoom lens to its large, bright LCD monitor, the 26mm-slim Caplio R3 embodies this pursuit.

Double Retracting LENS System makes space for the 28-200mm zoom lens.

Ricoh s original Double Retracting LENS System enables a 7.1x optical zoom range-wide-angle 28mm to 200mm zoom-to fit inside a slim 26mm body.

Vibration Correction function.

Vibration Correction detects camera movement occurring from handshake when the shutter button is pressed and then automatically makes a corrective adjustment. you're see the difference most clearly in your zoom and macro photos. Switch this feature ON or OFF at the touch of a button.

Newly designed grip for improved hand fit.

The Caplio R3 feels and looks like a great camera should. Its clean body-lines offer a look of innovation while conforming smoothly to your hand.

Compact size makes the Caplio R3 handy to carry any time.

Imaging processing system, the Smooth Imaging Engine.

Provides high-speed image processing and noise reduction for capturing detailed images rich in depth and texture.

53.0mm※

95.0mm※

26.0mm※

※ Dimensions exclude projecting parts

graphers fit in an astonishingly slim and compact form.

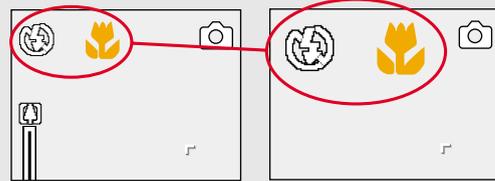## High-quality 2.5-inch LCD monitor makes viewing images easy.

The large high-quality LCD monitor makes viewing and confirming images easy. With one touch, you can adjust monitor brightness for better visibility under bright lighting. For image playback, you can display one, three or 12 shots.

※ Image is simulated

Enlargeable icons※.

To help ensure that you select all settings accurately, you can enlarge the icons on the LCD monitor that show current operating modes, such as flash and macro.

Standard icon display   Enlarged icon display

※ May differ from actual display

Vibration Correction function reduces the effects of handshake for clear, beautiful pictures. Shoot confidently regardless of the scene.

The effects of handshake are apt to occur especially in zoom photography.

But

With Vibration Correction function ON, you can zoom in instantly and shoot confidently.

Note: Under certain shooting conditions, compensation for vibration may not occur.

Shooting in zoom with
Vibration Correction OFF

Shooting in zoom with
Vibration Correction ON

Macro shooting with
Vibration Correction OFF

Macro shooting with
Vibration Correction ON

※ Note: Under conditions of extreme handshake or very slow shutter speed, vibration compensation may not occur.

Expansive Functionality.

Loaded with advanced features, the Caplio

Get as close as 1cm at wide angle, or 14cm in telemacro, and expand your vision in the world of macro photography.

Ricoh gives you astonishing insight into macro photography.
With the Caplio R3's superior power of expression,
you can reveal details beyond your imagination.

Zoom macro function.

By using the zoom macro function in combination with digital zoom, you can shoot your subject larger than in normal macro shooting. Enter a new world of macro photography.

Zoom macro mode ▶

AF Target Selection.

This original Ricoh feature enables you to fix your camera on a tripod and adjust the focal point using buttons. Expand your freedom of expression.
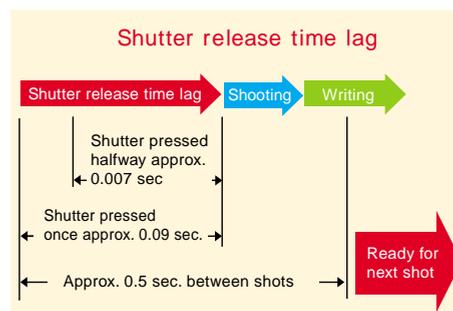

※Image is simulated   ※Image is simulated

A conventional weakness of digital cameras is slow response time. The Caplio R3 delivers faster response every step of the way.
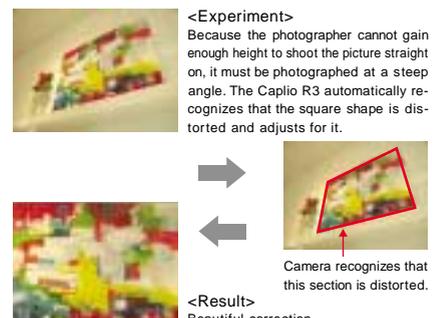

So you won't miss a chance at a perfect shot, the Caplio R3 powers up in approximately 1.1 seconds. The shutter response time is approximately 0.09 seconds※ without focus lock engaged and approximately 0.007 seconds※ with focus lock engaged. And your camera resets for the next picture in about half a second.※

Shutter release time lag

Shutter release time lag | Shooting | Writing

Shutter pressed halfway approx. 0.007 sec

Shutter pressed once approx. 0.09 sec.

Approx. 0.5 sec. between shots

Ready for next shot

※ Time measurements with flash OFF

New skew correction function.

Rectangular subjects such as blackboards and large signboards need to be shot from a direct frontal angle for optimum sharpness. When you are unable to shoot such subjects face on, the Caplio R3's new skew correction function automatically makes adjustment for the distortion. It's a handy feature for business uses as well as for photographing paintings, scenes with large architecture, etc.

\<Experiment\>
Because the photographer cannot gain enough height to shoot the picture straight on, it must be photographed at a steep angle. The Caplio R3 automatically recognizes that the square shape is distorted and adjusts for it.

Camera recognizes that this section is distorted.

\<Result\>
Beautiful correction.

R3 expands the possibility for more beautiful pictures.

Wide range of features expands photo-capturing capability for any scene.

A long-lasting battery and energy-saving design allow you to take advantage of the numerous advanced features for approximately 310 shots※.

▲ Rechargeable battery

Eight scene modes for great results at the touch of a button.

Portrait
Beautifully blurs the distant background while focusing on your subject. The closer you zoom in, the greater the blur effect.

Sports
For capturing moving subjects. Great for sports and other action scenes.

Landscape
For awe-inspiring landscapes. The focal point is set to infinity so the image is sharp.

Night scene
For capturing beautiful night scenes without diminishing the dark atmosphere. Ensures that both subject and background are sharp and clear.

Skew correction
When shooting a rectangular subject from angles not directly front on, your subject will appear distorted. This mode automatically makes a corrective adjustment.

Text
Suitable for all kinds of printed text. Turns your camera into a portable copy machine.

Zoom macro
For making a macro subject appear larger than it would in normal macro mode. Enhances the scope of macro photography.

High-sensitivity
For use in low light conditions. Also, in this mode the LCD monitor becomes brighter and easier to see.

▲ Sports mode

Energy-saving design and long-lasting power for over 310 shots※.

With the included rechargeable battery, you can shoot approximately 310 pictures※. That's enough for an entire vacation, or business trip. Synchro monitor mode automatically switches the LCD monitor off when the camera is not in use, delivering a big gain in battery power conservation.

＊Number of shots measured using CIPA standard parameters. Actual performance may vary according to usage conditions.

Three continuous shooting modes.

Multiply your chances of getting the perfect shot with regular continuous mode. Your Caplio R3 will fire continuously for as long as you press the shutter button. Two more continuous modes enhance your control in other ways. In S-continuous mode, one press of the shutter button fires 16 shots in 2.2 seconds and stores them in a single file. M-continuous mode memorizes the last 16 shots in a 2.2-second file —a handy feature for capturing continuous motion, such as in sports scenes.

Convenient ADJ button.

A quick press of the ADJ button allows you to call up frequently used settings. Icons for exposure adjustment, white balance and two additional settings of your choice will display on the LCD monitor, enabling you to instantly set up for your shot and fire away.

※Image is simulated

Other features.

● **Histogram display allows you to confirm exposure.**
The histogram display shows the exposure details of an image in a graphical format on the LCD monitor. Instantly check for overexposure or underexposure.

● **Multipoint focus for enhanced focus precision.**
Up to 5 focus zones are established. The zone at which the focus is currently set is indicated by a green outline on the LCD monitor.

● **Shoot video with sound.**
The Caplio R3 records video with sound at a rate of either 15 frames or a more natural 30 frames per second. A 1GB SD Memory Card allows you to record continuously for up to 168 minutes and 30 seconds.

● **Auto bracket and white balance bracket.**
With auto bracket set, the camera automatically shoots three images at three different exposure levels: -0.5EV, ±0, +0.5EV. White balance bracket applies three different color tones to the images.

● **Modulating shutter release sound.**
The sound made by the shutter release being depressed varies according to the speed at which it is depressed. The feedback helps to keep you in synch with your camera and avoid mistakes.

● **Record the date and time with your picture.**
You can record the date (year/month/day) or date and time (year/month/day, hour/minute) in the right bottom corner of any still image.

Unique Ricoh Caplio features expand the possibilities of imaging.

● **PictBridge compatible for direct printing.**
The Caplio R3 prints directly from any PictBridge compatible printer. Just connect it with a USB cable and make prints on the spot.

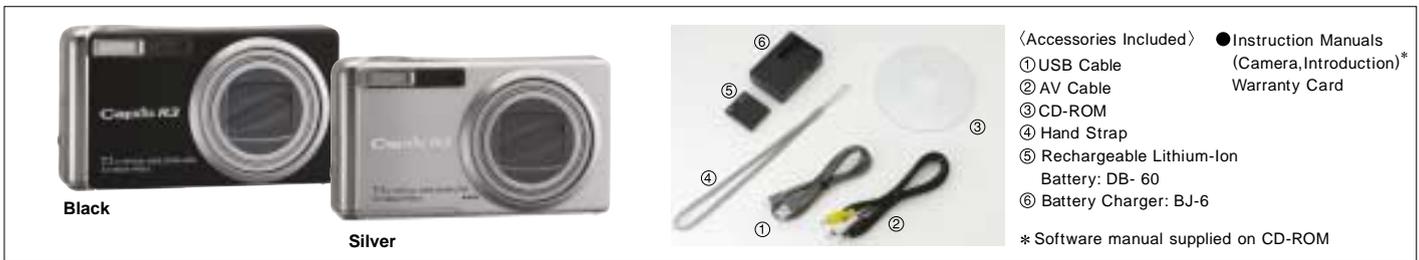● **Image Mixer software for editing images (for Windows).**
Download your Caplio R3 pictures to a computer and you can use the bundled Image Mixer※ software to enhance, correct and organize them. Now you're ready to create photo CDs!

※ Image Mixer is a product of Pixela Corporation.
※ For more information visit
http://www.imagemixer.com/

● **Expand your photo life with DeskTopBinder Lite.**
Once you've downloaded your Caplio R3 images to a computer, you can use this bundled software to edit, store and print your pictures.

Black

Silver

〈Accessories Included〉
① USB Cable
② AV Cable
③ CD-ROM
④ Hand Strap
⑤ Rechargeable Lithium-Ion Battery: DB-60
⑥ Battery Charger: BJ-6

● Instruction Manuals (Camera, Introduction)＊ Warranty Card

＊ Software manual supplied on CD-ROM

■ Caplio R3 Major Specifications

Item	Description
CCD	Effective 5.13 million pixels (5.25 million square pixels), 1/2.5-inch primary-color CCD
Lens	Focal length f: 4.6-33.0mm (equivalent to 28-200mm for 35mm film cameras) Step-zoom intervals: 7 steps (28mm, 35mm, 50mm, 85mm, 105mm, 135mm, 200mm) Aperture F: 3.3 (W)-4.8 (T)
Vibration Correction Function	CCD shift method
Zoom	7.1x optical zoom (equivalent to 28-200mm for 35mm film cameras); 3.6x digital zoom
Subject Distance	From lens tip: approx. 0.3m- ∞ (wide angle), approx. 1.0m - ∞ (zoom)
Macro Subject Distance	From lens tip: approx. 0.01m - ∞ (wide angle), approx. 0.14m -∞ (telemacro)
Shutter	Still 8,4,2,1-1/2000 sec. Motion 1/30-1/2000 sec.
Pixels	Still 2592 x 1944, 2592 x 1728, 2048 x 1536, 1280 x 960, 640 x 480 Text 2592 x 1944, 2048 x 1536 Motion 320 x 240 (30 frames/sec.,15 frames/sec.), 160 x 120 (30 frames/sec.,15 frames/sec.)
Picture Mode ＊1	Fine, Normal
ISO Sensitivity	Auto, ISO64, ISO100, ISO200, ISO400, ISO800,
Flash	Auto, Red-eye Reduction, On, Slow Synchro, Off Distance:＊2 Approx. 0.2-2.4m (W), 0.14-1.8m (T) (ISO auto)
Focus	Autofocus, Manual Focus, Fixed Focus (Snap), ∞ (includes AF auxiliary light)
Exposure Adjustment	TTL-CCD photometric system: Multi (256 segments), Center Weight, Spot
Exposure Compensation	Manual compensation (+2.0--2.0 EV in 1/3 EV steps). Auto-bracket (-0.5 EV,± 0,+0.5 EV)
White Balance	Auto/Fixed (Daylight, Overcast, Tungsten Light,Tungsten Light 2, Fluorescent Light, One Push)
Recording Media	SD Memory Card™ (32/64/128/256/512MB/1GB), Multi Media Card™, Built-in Memory 26MB
Storage Capacity (No. of Pictures)＊3 (Internal 26MB Memory)	Still 2592 x 1944 (Fine: 13, Normal: 22), 2592 x 1728 (Fine: 14), 2048 x 1536 (Fine: 18, Normal: 36), 1280 x 960 (Fine: 33, Normal: 63), 640 x 480 (Normal: 277)
Storage Capacity (Time) (Internal 26MB Memory)	Motion 1 minutes 17 seconds (320 x 240: 15 frames/sec.), 4 minutes 38 seconds (160 x 120: 15 frames/sec.)＊4 39 seconds (320 x 240: 30 frames/sec.), 2 minutes 26 seconds (160 x 120: 30 frames/sec.) Sound 56 minutes 45 seconds＊5
Storage Data Capacity (File Sizes)	Still Approx. 1.83MB (2592 x 1944 Fine), Approx. 1.06MB (2592 x 1944 Normal), Approx. 1.63MB (2592 x 1728 Fine), Approx. 1.31MB (2048 x 1536 Fine), Approx. 672KB (2048 x 1536 Normal), Approx. 686KB (1280 x 960 Fine), Approx. 356KB (1280 x 960 Normal), Approx. 83KB (640 x 480 Normal)
Recording Mode	Still mode (Continuous, S-Continuous, M-Continuous), Scene mode (Portrait, Sports, Landscape, Night Scene, Skew Correction, Text, Zoom Macro, High-sensitivity), Motion mode, Sound mode
Recording Format	Still JPEG (Exif ver. 2.21) DCF＊6 compliant Text TIFF (MMR system ITU-T.6) Motion AVI (Open DML Motion JPEG format compliant) Sound WAV (Exif ver. 2.21 μ low)
LCD Monitor	2.5" translucent amorphous silicon TFT LCD (approx. 114,000 pixels)
Self Timer	Delay: 10sec., 2 sec.
Interval Timer	Shooting interval: 5 sec. - 3 hours (5 sec. steps)＊7
PC Interface	USB1.1 (choice of Ricoh original or mass storage driver＊8)
AV Interface	Audio Out, Video Out
Video Signal Method	NTSC/PAL
Dimensions (W x D x H)	95.0 x 26.0 x 53.0mm (excluding projections)
Weight	Approx. 135g (excluding battery, SD Memory Card, hand strap) Accessories (battery, hand strap) approx. 30g
Power Source	rechargeable battery (DB-60) x 1, AC adaptor (AC-4c)
Shooting Capacity＊9	Using DB-60: Approx.310 pictures
Operating Temperature	0-40°Cs

＊1: For 2592 x 1728 pixel images, only Normal is available. For 640 x 480 pixel images, only Normal is available.
＊2: Distance is valid when ISO auto or ISO400 are set.
＊3: Average number of still images.
＊4: Max. recording time of 168 min. 30 sec. with 1GB SD Memory Card.
＊5: Max. recording time of 2,063 min. 25 sec. with 1GB SD Memory Card.
＊6: DCF is the abbreviation of JEITA Standard "Design rule for Camera Files system." (It does not guarantee perfect inter-camera compatibility.)
＊7: With flash OFF.
＊8: Mass storage driver is compatible with Windows Me/2000/XP and Mac OS 9/OS X 10.2-10.4. It is not compatible with Windows 98/98SE or Mac OS 8.6.
＊9: Number of shots measured using CIPA standard parameters. Actual performance may vary according to usage conditions.

■ Caplio R3 Optional Accessories

Accessory Name
Rechargeable Lithium-Ion Battery: DB-60
Battery Charger: BJ-6
AC Adapter: AC-4c
Soft Case: SC-60

■ Caplio R3 Software

	Windows XP	Windows 98/98SE/2000/Me	Mac OS X 10.1.2-10.4	Mac OS 8.6-9.2.2
1. RICOH Gate La	○	○	×	○
2. Image Mixer 1.6	○	○	×	×
3. USB Driver＊10	○	○	○	○
4. WIA Driver	○	×	×	×
5. Mounter	×	×	○	○
6. Acrobat Reader	○	○	×	×
7. Direct X	○	○	×	×
8. DeskTopBinder Lite	○	○ ＊11	×	×

＊10: Ricoh original.
＊11: Compatible with Windows 98SE/2000/Me. Not compatible with Windows 98.

■ Caplio R3 Software Operating Environment

	Windows	Macintosh
Operating Software	Windows 98/98 Second Edition Windows 2000 Professional Windows Me Windows XP Home Edition/XP Professional	Mac OS 8.6-9.2.2 Mac OS X 10.1.2-10.4
CPU	Pentium III 500MB or more	Power PC or faster
Memory Space	Windows 98/98SE: 128MB or more Windows 2000 Professional: 128MB or more Windows Me: 128MB or more Windows XP Home Edition/XP Professional : 256MB or more	Mac OS 8.6-9.2.2: 96MB or more (128MB or more recommended) Mac OS X 10.1.2-10.4 : 128MB or more (256 MB or more recommended)
Hard Disk Space	Windows 98/98SE: 500MB or more (during installation) Windows 2000 Professional: 500MB or more (during installation) Windows Me: 500MB or more (during installation) Windows XP Home Edition/XP Professional: 500MB or more (during installation)	Mac OS 8.6-9.2.2: 10MB or more (during installation) Mac OS X 10.1.2-10.4: 100 MB or more (during installation and operation)
Display	Resolution: 640 x 480 dots or more, 256 colors or more (800 x 600 dots or more, 65,000 colors or more recommended)	Resolution: 640 x 480 dots or more, 256 colors or more (800 x 600 dots or more, 32,000 colors or more recommended)
Other	USB board, keyboard, CD-ROM drive, mouse required	USB board, keyboard, CD-ROM drive, mouse required

※Only USB connection is available when connecting Caplio R2 to a PC. Serial connection is unavailable.
※Valid for systems with preinstalled OS and USB port.
※Supplied software can be used for Caplio RX, GX, R1, R1S, RZ1,R1V,G4 series, G3 series, ProG3, 300G, 400Gwide, and RR30. Caplio G3 model S and ProG3 are not compatible with Macintosh.

■ SD Memory Card Storage Capacity (Number of Images and Time)

Mode	Recording pixels	Picture mode	Built-in memory	32MB	64MB	128MB	256MB	512MB	1GB
Still	2592 x 1944	Fine	13 images	15 images	30 images	62 images	123 images	249 images	479 images
		Normal	22 images	25 images	53 images	107 images	213 images	430 images	828 images
	2592 x 1728	Fine	14 images	16 images	34 images	69 images	139 images	280 images	539 images
	2048 x 1536	Fine	18 images	21 images	43 images	87 images	173 images	349 images	671 images
		Normal	36 images	41 images	84 images	170 images	339 images	683 images	1314 images
	1280 x 960	Fine	33 images	38 images	79 images	159 images	318 images	641 images	1233 images
		Normal	63 images	72 images	148 images	301 images	600 images	1209 images	2324 images
	640 x 480	Normal	277 images	315 images	645 images	1304 images	2599 images	5237 images	10072 images
Text	2592 x 1944	—	67 images	75 images	154 images	313 images	624 images	1257 images	2417 images
	2048 x 1536	—	88 images	99 images	203 images	412 images	821 images	1654 images	3181 images
Motion	320 x 240 (15 frames/sec.)		1'17"	1'27"	2'59"	6'03"	12'04"	24'19"	46'47"
	320 x 240 (30 frames/sec.)		0'39"	0'44"	1'31"	3'04"	6'07"	12'19"	23'42"
	160 x 120 (15 frames/sec.)		4'38"	5'16"	10'47"	21'49"	43'29"	87'37"	168'30"
	160 x 120 (30 frames/sec.)		2'26"	2'46"	5'40"	11'27"	22'50"	46'01"	88'31"
Sound		—	56'45"	64'36"	132'11"	267'15"	532'36"	1073'00"	2063'25"

※Number of recordable pictures and recordable time may vary depending on the manufacturer and shooting conditions.
※Average number of images and time.

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For more information, visit:

http://www.ricoh.com/r_dc