RICOH
Image Communication

Caplio R1
Ricoh Caplio digital camera

Superior Technology Is Beautiful

Wide angle 28~135mm optical 4.8x zoom

Top shutter release time lag 0.05 seconds[*1]

1cm macro

Newly developed image processor

*1 Time is approximate. Measured from the moment the shutter is fully pressed down.
※ Focal lengths are 35mm film camera equivalents

A camera with the power to move you

100.2mm

25mm

55mm

<Silver>

<Actual size>

<Black>

Whether you're talking about a camera or any other advanced technology, simplicity of design is often the truest sign of quality.
The Ricoh Caplio R1 combines superior performance with a simply elegant flat aluminum body.
Superior performance is delivered through a wide-angle 28mm~135 mm optical zoom lens and features like unmatched shutter response time and 1cm macro shooting.
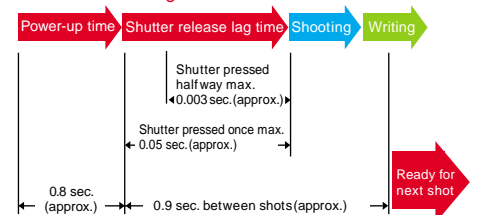Stretch your imagination. That's how far the Caplio R1 can carry you.

Effective Megapixel
4.0
CCD

Fast, fast and fast - the triple response for capturing the precise moment

The most serious shortcoming of digital cameras to date has been shutter release time lag, the time it takes for your camera to actually capture an image after you press the shutter button. The Caplio R1 makes that a shortcoming of the past. Switch on the power : You're ready to shoot in approximately 0.8 seconds. Snap your picture: Shutter release time lag is as little as 0.05 seconds (even faster is the approximately 0.003 seconds shutter response time from focus lock, which is engaged when you press the shutter button halfway). Ready for your next shot? The Caplio R1 resets in about 0.9 seconds. In other words, the Caplio R1 gives you triple response-fast, fast and fast.

Shutter release lag time

| Power-up time | Shutter release lag time | Shooting | Writing |

Shutter pressed half way max.
0.003 sec. (approx.)

Shutter pressed once max.
0.05 sec. (approx.)

0.8 sec.
(approx.)

0.9 sec. between shots (approx.)

Ready for next shot

Wide 28~135mm optical 4.8x zoom in a slim 25mm camera. Advanced performance in a simple form.

The Caplio R1's 4.8x optical zoom expands the camera's wide angle to 28mm. For closing in on distant subjects, a 3.6x digital zoom boosts the total zoom range up to a maximum 17.3x (28~486mm). And you get all that power inside a camera just 25mm slim.

The technology behind the Caplio R1's ultra-thin body is Ricoh's revolutionary Retracting Lens System. When the lens retracts, the lens group on the body side swings like a pendulum, storing the 4.8x zoom lens in minimum space.

28mm ⟷ 135mm

5-step zoom for instant zoom selection

Switch on the step zoom function and you can quickly zoom to any of the five preset optical focal lengths : 28mm, 35mm, 50mm, 85mm, or 135mm.
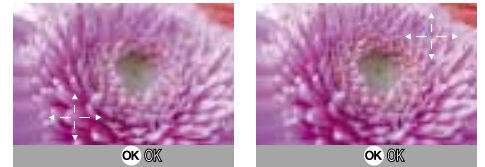
Expand your creativity by focusing small—1cm macro and AF Target Selection

The Caplio R1 offers stunning macro photography as close as one centimeter from your target. With AF Target Selection, you can fix the camera on a tripod and shift the focus point using buttons. In short, let your creativity roam free in the macro world.

AF Target Selection features four direction buttons ▲▼◀▶ that let you shift the focus point to different areas of your target without moving your camera.

※ Images are simulated

Energy conserving design: around 200* pictures on AA batteries

Energy conservation was a key area of focus for the Caplio R1. You get approximately 200* pictures using AA alkaline batteries, or around 500* pictures between recharges with our new high-capacity rechargeable battery.

∗CIPA standard conformance

The power of freedom: three ways to power your Caplio R1

A stylish design means nothing without functionality. The Caplio R1 runs on AA batteries, a newly developed rechargeable battery and an AC adapter. It's your choice.

AA batteries

Rechargeable battery

Six scene modes enhance your power of expression

In addition to popular scene modes such as portrait and sports, the Caplio R1 offers text and high-sensitivity modes. Let your camera control the scene.

Portrait
Blurs the distant background beautifully

Sports
Capture fast-moving subjects

Landscape
For awe-inspiring landscapes

Night scene
Both subject and backg clear

Text
Suitable for all kinds of

High-sensitivity
For use in low light envi

16-shot continuou three continuous sh

For continuous shooting, the C three modes, including M-cont the last 16 shots in a 2.2-secon uous (one press of the shutter in 2.2 seconds). These modes example, you want to check the of your tennis or golf swing. You the images continuously as an

Video recording complete with sound

The Caplio R1 captures high-quality AVI video, recording the action and sound until your memory card is full. You can use digital zoom while shooting and reduced block noise and anti-flickering features enhance quality. For interviews and other times you just want to record sound, use the sound capture function as a handy recorder.

Slim and fla to carry all

Ricoh's faster, more accurate image processor

At the center of the Caplio R1's superior performance and design is Ricoh's new image processor, the Smooth Imaging Engine. It processes images at a very high speed using little power, and in tandem with the 4.0 effective-megapixel CCD, produces images of impressive power and expression. The Caplio R1 shows the future in Ricoh digital cameras.

Real-time histogram display gives you an advance view of exposure

Make sure every shot is properly exposed. The Caplio R1's real-time histogram display shows full exposure details in a neat graphical format. You can check the data before you shoot, right after you shoot, or later when playing back the image.

※ Image is simulated

at enough the time

Use Quick Review to check any image, enlarging it up to 8x※ to check the details

Press the Quick Review button to instantly check a shot. You can enlarge it up to 8x for a thorough confirmation of focus and exposure accuracy.

※ For use on still images with resolution up to 2304 x 1728

Auto bracket and white balance bracket triple your chances of getting the perfect shot

Auto Bracket automatically shoots three images at three different exposure levels, while white balance bracket applies different color tones to the images. Especially under difficult lighting conditions, these features boost your chances of getting exactly the shot you want.

Customize your Caplio R1 with the ADJ button

The ADJ button allows you to adjust exposure, white balance and ISO sensitivity settings with a few easy clicks. You can also customize your camera with this button, positioning frequently used settings such as the photometry system and resolution for instant access.

Exposure   White balance   ISO

Easy to see, easy to shoot Large 1.8" 110,000 pixel LCD monitor

※ Image is simulated

The Caplio R1 features an easy to view 110,000-pixel high-precision TFT LCD monitor.

Battery-conserving synchro monitor mode

This convenient function automatically switches off the display when it is not in use, delivering a big gain in battery power conservation.

The Ricoh Caplio is the link to fun and easy digital photography

The Caplio R1 makes digital photography easy for everyone. Among the many ways it simplifies your photo life is its easy connection with computers.

Correct images and edit just as you want : Our new image viewer software features a variety of image correction and editing functions. It's easy to enhance your pictures and organize them.

Direct printing : Connect your Ricoh Caplio R1 to any PictBridge compatible printer with a USB cable and print directly. No computer necessary!

Black

Silver

〈Accessories Included〉
① USB Cable
② AV Cable
③ CD-ROM
④ AA Alkaline Batteries x 2
⑤ Hand Strap

● Instruction Manuals
(Camera, Introduction)*1
Warranty Card

＊:Software manual supplied on CD-ROM

■ Caplio R1 Major Specifications

Item		Description
Recording format	Still	:JPEG(Exif ver.2.21) DCF*1 compliant
	Text	:TIFF(MMR system ITU-T.6)
	Motion	:AVI(Open DML Motion JPEG format compliant)
	Sound	:WAV(Exif ver.2.21)
Video Signal Method		NTSC/PAL
Recording Media		SD Memory Card™ (32/64/128/256/512MB), MultiMediaCard™
CCD		Effective 4 million pixels (4.19 million square pixels)
Resolution	Still	:2304 x 1728, 1600 x 1200, 1280 x 960, 640 x 480
	Text	:2304 x 1728, 1280 x 960
	Motion	:320 x 240, 160 x 120
Recording Mode	Still	(Continuous, S-Continuous, M-Continuous),
	Scene	(Portrait, Sports, Landscape, Night Scene, Text, High-Sensitivity), Motion, Sound
Picture Mode		Fine, Normal
Storage capacity (No.of pictures) (Internal 12MB Memory)*2	Still	6 (2304 x 1728 Fine), 12 (2304 x 1728 Normal) 10 (1600 x 1200 Fine), 20 (1600 x 1200 Normal) 15 (1280 x 960 Fine), 29 (1280 x 960 Normal), 127(640 x 480 Normal)
Storage capacity(time) (Internal 12MB Memory)	Motion	:17 seconds (320 x 240), 68 seconds (160 x 120) *3
	Sound	:26 minutes 15 seconds *4
Storage data capacity (File sizes)	Still	Approx.1.54MB(2304 x 1728 Fine), Approx.804KB(2304 x 1728 Normal), Approx.964KB(1600 x 1200 Fine), Approx.495KB(1600 x 1200 Normal), Approx.626KB(1280 x 960 Fine), Approx.326KB(1280 x 960 Normal), Approx.83KB(640 x 480 Normal)
Lens		Focal Length f:4.6 - 22.2mm(equivalent to 28 -135mm for 35mm film cameras) Step-zoom intervals: 5 steps (28mm, 35mm, 50mm, 85mm, 135mm) Aperture F:3.3(W)-4.8(T) Lens structure 9 glass elements in 7 groups
Digital Zoom		x 3.6 (Maximum x 17.3 in combination with optical zoom)
Shutter	Still	:8,4,2,1-1/2000sec.
	Motion	:1/30-1/2000 sec.
Object distance		Approx.0.3m - ∞(Macro:Approx.0.01m - ∞, Telemacro:Approx.0.13m -∞)
ISO Sensitivity		Auto, ISO64, ISO100, ISO200, ISO400, ISO800,
View Finder *5		Real-image optical zoom finder
LCD Monitor		1.8"translucent amorphous silicon TFT LCD (approx. 110,000 pixels)
Flash *6		Auto, Red-eye Reduction, On, Slow Synchro, Off Distance:Approx.0.2-2.7m(W), 0.13-2.1m(T) (ISO auto)
Focus		Autofocus, Manual Focus, Fixed Focus(Snap),∞
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, Fluorescent Light, One push)
Self Timer		Delay:10sec., 2 sec.
Interval Timer		Shooting interval:30sec.-3hours(30 sec.steps)
PC Interface		USB1.1
AVInterface		Audio Out, Video Out
Power source		AA battery (alkaline/NiMH rechargeable battery) x 2, rechargeable battery (DB-50) x 1, AC adaptor (AC-4b)
Shooting Capacity *7		Using DB-50:Approx.500 pictures(normal) Using AA alkaline batteries:Approx.200 pictures(normal)
Dimensions(W x D x H)		100.2 x 25.0 x 55.0mm(excluding projections)
Weight		Approx. 150g (excluding battery, SD Memory Card, hand strap)
Operating Temperature		0 - 40°Cs

*1 : DCF is the abbreviation of JEITA Standard "Design rule for Camera Files system."
(It does not guarantee perfect inter-camera compatibility.)
*2 : General guide for still-picture recording capacity
*3 : Max. recording time of 46 min. 42 sec. with 512MB SD memory card
*4 : Max. recording time of 1,073 min. 11 sec. with 512MB SD memory card
*5 : When you look through the finder during wide-angle shooting, a black rim (vignetting) may be visible at the left bottom edge of the lens. It will not affect your actual image.
*6 : Distance is valid when ISO auto or ISO400 are set.
*7 : Under Ricoh measurement parameters. Actual performance may vary depending on the condition of use. Normal mode: Approx. 30 second intervals using flash and zoom for 1 out of 2 photos, AA alkaline batteries allow usage of approx. 100 minutes.

■ Caplio R1 Optional Accessories

Accessory name
Rechargeable Battery Set:BS-5
Rechargeable Lithium-Ion Battery:DB-50
AC Adapter: AC-4b
PC card adapter:FM-SD53

■ Caplio R1 Software

	Windows XP	Windows 98/98SE/2000/Me	Mac OS X 10.1.2-10.3	Mac OS 8.6-9.2.2
1. RICOH Gate La	○	○	—	○
2. CaplioViewer	○	○	—	—
3. USB driver	○	○	○	○
4. WIA driver	○	—	—	—
5. Mounter	—	—	○	○
6. Acrobat Reader	○	○	—	—
7. Direct X	○	○	—	—

■ Caplio R1 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 10.1.2-10.3
CPU	Pentium II or faster	Power PC or faster
Memory Space	Windows 98/98SE :32MB or more(96MB or more recommended) Windows 2000 Professional : 128MB or more (256MB or more recommended) Windows Me:64MB or more(96MB or more recommended) Windows XP Home Edition/ XP Professional :128MB or more(256MB or more recommended)	Mac OS 8.6-9.2.2 :96MB or more (128MB or more recommended) Mac OS X 10.1.2-10.3 : 128MB or more (256MB or more recommended)
Hard Disk Space	Windows 98/98SE:10MB or more(during installation) Windows 2000 Professional:10MB or more(during installation) Windows Me:10MB or more(during installation) Windows XP Home Edition/XP Professional: 10MB or more(during installation)	Mac OS 8.6-9.2.2 : 10MB or more (during installation) Mac OS X 10.1.2-10.3 : 100MB or more (during installation) 100MB or more(during 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 R1 to a PC. Serial connection is unavailable.
※ Supplied software can be used for Caplio RX, GX, G4 series, G3 series, ProG3, 300G, 400G wide, 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
Still	2304 x 1728	Fine	6 images	16 images	33 images	68 images	136 images	275 images
		Normal	12 images	31 images	64 images	130 images	260 images	523 images
	1600 x 1200	Fine	10 images	26 images	53 images	108 images	216 images	436 images
		Normal	20 images	51 images	104 images	211 images	421 images	849 images
	1280 x 960	Fine	15 images	38 images	79 images	159 images	318 images	641 images
		Normal	29 images	72 images	149 images	301 images	600 images	1209 images
	640 x 480	Normal	127 images	315 images	645 images	1305 images	2600 images	5239 images
Text	2304 x 1728	—	20 images	51 images	104 images	211 images	421 images	849 images
	1280 x 960	—	128 images	315 images	645 images	1305 images	2600 images	5239 images
Motion	320 x 240	—	0'17"	0'44"	1'30"	3'02"	6'03"	12'13"
	160 x 120	—	1'08"	2'48"	5'45"	11'37"	23'10"	46'42"
Sound	—	—	26'15"	64'38"	132'13"	267'17"	532'38"	1073'11"

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

For more information, visit:

http://www.ricoh.co.jp/r_dc