RICOH
Image Communication

Caplio
Digital Camera **RR30**

3.24 effective megapixels CCD

Optical **3x** Digital **3.4x** zoom

SIMPLY STUNNING!

1. Capture the moment with the world's fastest* shutter response!

2. Keep on shooting with an extra long-lasting battery**!

3. The power to choose! Lithium ion or AA batteries or AC adapter.

4. Get real close with incredible 1cm macros!

5. Analyze your golf swing in special multi-shot shooting modes!

6. High-sensitivity mode illuminates subjects in the dark!

7. Just connect to PC! Instantly transfer your data via USB cable***!

*   Please refer to details within this brochure.
** A maximum 3,500 shots when using the optional rechargeable lithium ion battery.
*** With included software installed on your PC.

Finally! A digital camera that's right for you!

SIMPLY STUNNING!

1. Ultrafast Shutter Response

Capture shots exactly as anticipated with a shutter response of just 0.22 second – the world's fastest* in its class.

The Caplio RR30's shutter releases almost instantly once pressed enabling you to capture shots that would otherwise be missed on other digital cameras. It's ideal for taking pictures of moving objects .

* As of July 20, 2002, for compact digital cameras with resolutions of four megapixels or less. Speed measured as time between depressing shutter release button to the start of exposure in autofocus mode without using focus lock.

2. Unparalleled Battery Life

Take up to 3,500 shots* between charges on optionally available lithium ion battery

With a specially designed drive mechanism that enhances performance and saves energy, the Caplio RR30's amazingly long battery life lets you shoot all day without the worry of your battery running out.

* A maximum 3,500 shots under power-save mode (flash off, without zooming, LCD off, with VGA); up to 350 shots under normal usage conditions (with 50% flash and zoom usage, LCD on, 30 seconds between shots, reviews of all photos).

3. Choice of Three Power Sources

Operate as you like on AA batteries, a lithium ion battery, or from an AC adapter

The Caplio RR30 eliminates all power source concerns by providing the convenience of a long-life rechargeable lithium ion battery, regular AA alkaline or nickel metal hydride batteries, or an AC adapter.

rechargeable lithium ion battery

regular AA batteries (alkaline or NiMH)

4. 1cm Macros

Capture incredible detail

In macro mode, shoot as close as 1cm to capture your subject's full richness and splendid detail. For darkened objects, use the built-in flash for macros as close as 16cm.

1cm Macros

use the built-in flash

5. Revolutionary Multi-shot Shooting

Capture a stream of shots from one action scene

The Caplio RR30's two handy streaming modes allows for close motion analysis – perfect for a golf swing. Use the M-continuous mode if unsure when an action may start or finish. Here, you hold the shutter button down and the camera memorizes the last 16 shots in one file for two seconds of footage. In S-continuous mode, you can capture a stream of 16 shots in one file for two seconds of footage with just one press of the shutter button.

6. High-Sensitivity Mode

Illuminate subjects in the dark to capture atmosphere

The high-sensitivity mode provides incomparably better illumination of subjects in darkened rooms or other dim environments so you can capture the atmosphere without needing to resort to flash usage. In this mode, the monitor brightens the scene to aid framing and shooting.

7. Instant Data Transfers

USB simplicity makes it child's play

With the camera off, just plug in your PC's USB cable and your images are stored instantly on an automatically created folder on your computer.

Enhanced Power and Simplicity

Full 3.24-Megapixel Resolution and New Image Processor

The Caplio RR30 employs a 1/2.7-inch CCD with a primary color filter that delivers an outstanding 3.24 effective megapixels of resolution. The CCD is also compact, fast, conserves power and provides superb color reproduction. The camera also incorporates a new image processor that reduces noise and integrates surrounding circuitry - enhancing image quality for even the largest of prints.

3x Optical Zoom (10.2x in Combination with Digital Zooming)

Using a new 3x optical zoom lens that delivers a central resolution of 300 lines per millimeter, the Caplio RR30 is comprised of six lenses, including three aspherical lenses in five groups. Combined with 3.4x digital zooming, the Caplio RR30 delivers an amazing 10.2x zoom performance (equivalent to a telephoto range of 35–357mm on a regular 35mm film camera).

357mm

105mm

35mm

Stylishly Compact and Light Body

This camera is perfectly portable at just 160g, and features a stylish body that can be held comfortably in one hand. All buttons are positioned for easy finger reach to optimize handling and accelerate shooting.

Diverse Capabilities for Work and Play

Hybrid Autofocusing System for All Scenes

The camera uses a hybrid autofocusing system, comprising of both external and through-the-lens focusing. This setup allows the camera to automatically and quickly optimize focus for each scene – a major contributing factor to the camera's 0.22-second shutter response time.

256-Point Light Sensor Optimizes Exposure

A 256-point light sensor automatically maintains and delivers perfect exposure under diverse shooting conditions including flash lit close-ups, preventing situations such as white jumping and black blurring.

Full Support from Center Weighting and Spot Metering

The Caplio RR30's center-weighted metering ensures your subject's desired exposure level. Spot metering provides pinpoint exposure for parts of your shot that you wish to emphasize.

Six Scene Modes

The Caplio RR30 offers a choice of six preset scene modes – Portrait, Sports, Landscape, Nightscape, Text, and High-sensitivity – providing the best results in these specific situations.

1.Portrait
For recording people outdoors. Blurs background nicely.

2.Sports
For recording objects in motion.

3.Landscape
For recording landscapes with lots of greenery or blue sky.

4.Nightscape
For recording people at night.

5.Text
Text becomes sharper, easier to read.

6.High-sensitivity
For recording in dark places.

Handy Auto Bracketing

Use the auto bracketing function to take three shots at different exposure settings – especially handy for challenging lighting situations.

Quick Reviews at the Press of a Button

Press the Quick Review button to quickly see your latest shot without turning the mode dial to replay. Furthermore, instantly display the enlarged image and delete unwanted frames.

User-Friendly Synchro Monitor Mode

This mode extends battery life and the potential number of total shots by keeping the monitor off before shooting. The monitor turns on automatically when the shutter button is pressed to preview a shot or operate the zoom - and remains on for several seconds after you take a picture.

Capture Video

The Caplio RR30 can also capture a maximum of 120 seconds of silent video in the high-definition AVI format, which dramatically reduces block noise and flickering.

Enhancing Flexibility with Secure Digital Memory Cards

The Caplio RR30 can use optional Secure Digital memory cards. These next-generation multimedia storage devices are fast, reliable and are compatible with an array of mobile and communications equipment.
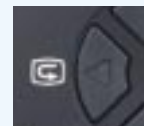
Caplio RR30

Flash
Power button
Mode dial
AF Window
Viewfinder
Terminal cover
Shutter button
Power supply terminal cover
Lens

Erase / Self-timer button
Wide-angle / Thumbnail Display button
Telephoto / Enlarged View button
Viewfinder
Auto Focus Lamp
Flash Lamp
Menu button
Memory card cover
Battery cover
Flash button
Quick Review button
Macro button
LCD Monitor
OK button
DISPLAY button

Accessories Included

❶ USB Cable
❷ Video Cable
❸ Software CD (Win, Mac)
❹ AA Alkakline Batteries (2)
❺ Handstrap

● Instruction manual
● Warranty card

Optional Accessories

Rechargeable Lithium-Ion Battery DB-43
Battery Charger BJ-2
AC Adapter AC-4a
PC card adapter FM-SD53

■ RR30 Major Specifications

ITEM	DESCRIPTIONS
RECORDING FORMAT	Still : JPEG(Exif 2.2)
	DCF"Design rule for Camera File system", DPOF support
	Text : TIFF(MMR system,ITU-T.6)
	Motion: AVI(Open DML Motion JPEG)
VIDEO SIGNAL METHOD	NTSC/PAL switchable
RECORDING MEDIUM	Internal 8MB/SD Memory card™(3.3V)*1/MultiMediaCard™
CCD	1/2.7-inch CCD with 3.34 million square pixels(effective 3.24 million pixels)
RESOLUTION	Still : 2048x1536/1280x960/640x480
	Text : 1280x960
	Motion: 320x240,160x120
RECORDING MODE	STILL/MOTION/CONTINUOUS/S-Continuous/M-Continuous/
	Scene(Portrait,Sports,Landscape,Text,Nightscape,High-sensitivity)
PICTURE MODE	Fine/Normal
LENS	F:2.6-4.7, 6 glass elements in 5 groups
ZOOM	Optical 3x zoom f=5.5-16.5mm(35-105mm in 35mm camera format)
	Digital 3.4x zoom(640x480 only)
SHUTTER	Still:8,4,2,1-1/2000sec.(mechanical/electronic shutter)
	Motion:1/30-1/2000sec.(electronic shutter)
SHOOTING RANGE	30cm(11.8in.)-∞/Macro:1cm(0.4in.) -60cm(23.6in.) Wide, 16cm(6.3in)-60cm(23.6in) Tele
ISO SENSITIVITY	AUTO (equivalent to ISO125)/Selectable ISO(equivalent to 200/400/800)
OPTICAL VIEWFINDER	Real-image
MONITOR DISPLAY	1.6" Translucent Amorphous Silicon TFT LCD(approx. 80,000 pixels)
BUILT-IN FLASH	AUTO/ON/SLOW SYNCHRO/OFF/RED-EYE REDUCTION,
FOCUS	AUTO FOCUS/MANUAL FOCUS/FIXED FOCUS(snap/∞)
EXPOSURE MODE	Programmed AE:TTL-CCD method
	Photometric system:CENTERWEIGHT/SPOT/MULTI
EXPOSURE ADJUSTMENT	MANUAL EXPOSURE COMPENSATION(+/- 2.0 EV in 1/3EV steps)
WHITE BALANCE	AUTO/DAYLIGHT/OVERCAST/TUNGSTEN LIGHT/FLUORESCENT LIGHT/MANUAL(One Push)
SELFTIMER	Approx. 10sec./2sec. Delay
NTERFACES	PC : USB *2
	Video Out
BATTERY	AA Alkaline x 2 (NiMH possible), or Rechargeable Lithium-Ion Battery(option)
DIMENSIONS (W x D x H)	114 x 32.5 x 54.5mm, 4.9 x 1.3 x 2.1inch(excluding projection)
WEIGHT	Approx. 160g(5.6oz.)(without battery,SD memory card, Hand strap)

*1 Please visit our website for the updated information of supported SD card capacity.
*2 Limited to PCs with Windows 98/98SE/2000/Me/XP pre-installed or Macintosh with Mac OS 8.6-9.2.2/Mac OS X 10.1.2-10.1.4(USB service 1.1 or later)

■ Software CD (Windows/Macintosh)

SYSTEM REQUIREMENTS	Windows	Macintosh
OS	Windows 98/Windows 98 Second Edition	Mac OS 8.6-9.2.2
	Windows Me	Mac OS X 10.1.2-10.1.4*4
	Windows 2000	
	Windows XP *3	
CPU	Pentium® II processor or faster	Power PC or later
MEMORY SPACE	Windows 98/98SE:32MB or more(96MB recommended)	Mac OS 8.6-9.2.2 :96MB or more
	Windows 2000:128MB or more(256MB recommended)	(128MB recommended)
	Windows Me:64MB or more (96MB recommended)	Mac OS X 10.1.2-10.1.4:128MB or more
	Windows XP:128MB or more(256MB recommended)	(256MB recommended)
HARD DISK SPACE	10MB or more	Mac OS 8.6-9.2.2 :10MB or more
		Mac OS X 10.1.2-10.1.4:100MB or more

CONTENTS

RICOH Gate L*5 (Launcher Application)
DU-10*6
USB driver *7
WIA driver (for Windows XP)
DirectX 8.1 (for Windows 98/98SE/2000/Me)
Mounter (for Mac OS 8.6-9.2.2 and Mac OS X 10.1.2-10.1.4)

*3 RICOH Gate L is not necessary in Windows XP. The WIA driver is used instead.
*4 RICOH Gate L is not necessary in Mac OS X 10.1.2-10.1.4
*5 No camera control function.
*6 DU-10 is not compatible with Mac OS 8.6-9.2.2/Mac OS X 10.1.2-10.1.4
*7 Limited PCs with Windows 98/2000/Me pre-installed or Macintosh with Mac OS 8.6-9.2.2 (USB service 1.1 or later).
   Mac OS X 10.1.2-10.1.4. Not compatible with Windows XP.
* The Caplio RR30 supports only USB connections, serial connections are not supported.

■ Caplio RR30 Optional Accessories

MODEL	
FM-SD53	PC card adapter
DB-43	Rechargeable Lithium-Ion Battery
BJ-2	Battery Charger
AC-4a	AC Adapter

* Rechargeable Lithium-Ion Battery DB-40 for Caplio RR10 is possible.
* Please ask your nearest Ricoh Sales Office about availability of the Optional Accessories.

* Specifications are subject to change without notice.
* Microsoft, Windows and DirectX are either registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.
* Macintosh and Mac are trademarks of Apple Computer, Inc. registered in the U.S. and other countries.
* The SD logo is a trademark.
* All other trademarks mentioned herein are the property of their respective owners.
* All screen shots and sample images shown in this catalog are simulated.

For more information, visit:
http://www.ricoh.co.jp/r_dc

This brochure was printed on recycled paper.