

# Caplio<sup>\*</sup> 300G

Digital Camera



3.24  
effective  
megapixels  
CCD

Optical 3 x  
Digital 3.4 x  
ZOOM

**1m**  
**underwater**  
**shooting**



## Tough body & high performance for people who love outdoor fun!

Enjoy the great outdoors? Take along the versatile new water- and dust-resistant Caplio 300G Digital Camera. It's designed for underwater shooting to one meter depth\*, with amazingly long battery life and ultra-fast shutter response. Caplio 300G. The digital camera for active people!

\*Please refer to details within this brochure.

# Tough and Dependable New Caplio 300G — the high-performance water- and dust-resistant digital camera!

Rugged body and outstanding functions for heavy-duty use.

## Tough Body

**Compact and lightweight, with a durable case.**

In addition to its conveniently compact design, the Caplio 300G's rugged construction includes dust-resistant reinforced glass for lens protection and shielding for other key mechanisms. So it's protected for active use.



## Easy Operation

**Easy to use even when wearing gloves.**

The shutter button and other switches are large enough to operate even when wearing gloves. User-friendly color coding makes operation even easier.



## Choice of Three Power Sources

**Reliable power when you need it most.**

The Caplio 300G operates on an optional high-capacity lithium-ion battery, regular AA alkaline batteries or AA nickel metal hydride batteries, or an AC adapter. This wide selection eliminates power source concerns.



Lithium-ion battery



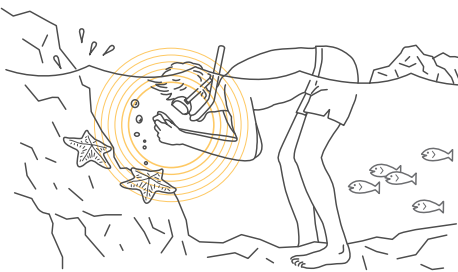
Regular AA batteries  
(alkaline or NiMH)

## 1m Underwater Shooting\*

**Underwater use with water and dust resistance.**

Thanks to dependable water resistance (equivalent to JIS Protection Class 7), the Caplio 300G can be used in 1m depth water, and is also ideal for use in rain or humid areas. In addition, reliable dust resistance (JIS Protection Class 6) prevents dust or sand from getting inside the body.

\*The Caplio 300G can take photos underwater, at a depth of one meter or less, for up to 30 minutes.



## Take up to 3,500 shots\*

**Extra-long-life battery reduces the need for repeated changing.**

Equipped with a specially designed energy-saving drive mechanism, the Caplio 300G's amazingly long battery life allows the camera to take up to 3,500 shots. This means you can shoot all day without fear of battery failure — the last thing you want in heavy-duty operation.

\*A maximum of 3,500 shots under continuous counting mode (640 x 480, flash off, without zoom, LCD off) using rechargeable lithium-ion battery DB-43. This number may vary depending on shooting conditions.

## External Flash

**Convenient for nighttime shooting.**

A supplied accessory shoe accommodates an external flash\* to complement the built-in flash.

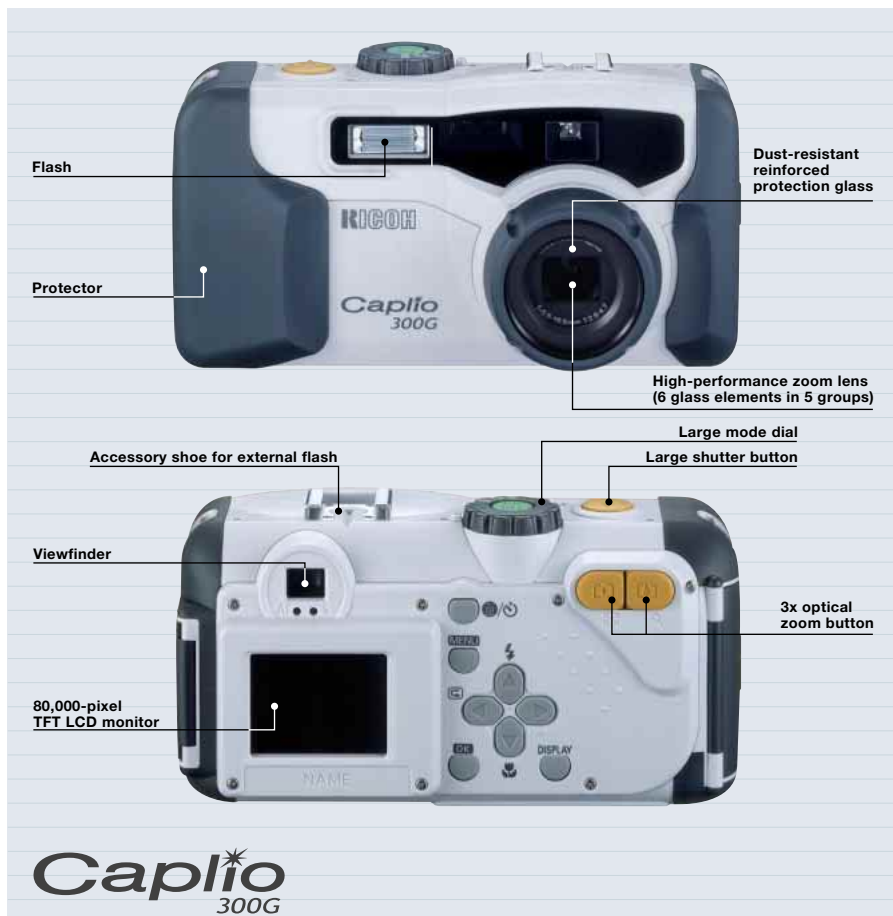


\*Use the flash with a slave function. (In some cases, the slave function will not operate due to distance or other shooting conditions. Be sure to read the instruction manual for the flash.) A flash without a spring or lock mechanism cannot be connected.

## Extra Stability

**Two-point neck strap.**

In addition to a compact, lightweight body, the Caplio 300G supplies an extra-stable 2-point neck strap. This makes portability easier and helps reduce the feeling of weight when hung around the neck.



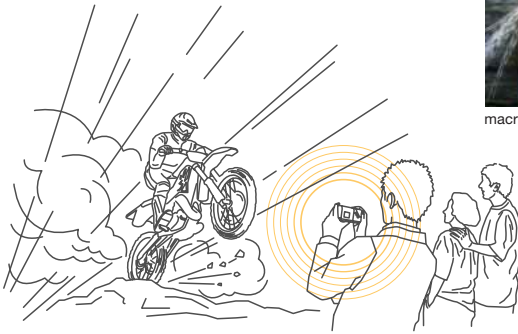
## No more missed photo ops!

### A Mere **0.22 Seconds**

#### Surprisingly fast shutter response.

A built-in, hybrid auto-focusing system combines external and through-the-lens focusing for fast, automatic focus control. With surprisingly fast 0.22 seconds\* shutter response, the Caplio 300G captures exactly what you see, even action scenes.

\* Time between shutter release and exposure start, without using focus lock.



### **1-cm Macro**

#### 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.



macro



Use the built-in flash

### **High-Sensitivity Mode**

#### Illuminate subjects in the dark to capture atmosphere.

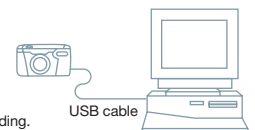
The high-sensitivity mode provides incomparably better illumination of subjects in darkened rooms or other dim environments so you can capture the atmosphere without needing to resort to flash usage. In this mode, the monitor brightens the scene to aid framing and shooting.



#### Just hook up to a PC for instant data transfer.

Downloading images is as easy as the rest of the photo-taking process. Simply connect a USB cable between a PC and the Caplio 300G and your images, excluding duplicates, are stored instantly in an automatically created folder.

With Windows XP computers, an OS-standard Windows Image Acquisition (WIA) driver should be used for downloading. With Macintosh OS X computers, drag and drop should be used for downloading.



## Amazingly easy to get just the shots you want!

### **3.24 Effective Megapixels**

The Caplio 300G employs a CCD with an exceptional resolution of 3.34 megapixels (3.24 effective megapixels) to deliver images of superb quality—even when trimmed.



### **3x Optical Zoom**

A new 3x optical lens delivers a central resolution of 300 lines per millimeter. Which means you get distortion-free zoom shots—even at long distances.



Standard shooting (wide)

3x optional zoom

### **Multi-photo Shooting**

Enjoy high-speed continuous shooting with just 0.3-second lag time for close motion analysis. In M-continuous mode, just hold the shutter down and the camera memorizes the last 16 shots in one file for two seconds of footage. The S-continuous mode captures a stream of 16 shots in one file for two seconds of footage with a single touch of the shutter button.



### **Video Clips with Digital Zoom**

The Caplio 300G also captures 120 seconds (max.) of moving image clips in high-definition AVI format to accurately record the feeling of fast-moving scenes.

This camera cannot record sound when taking moving pictures.

### **Six Scene Modes**

Choose from six preset scene modes: Portrait, Sports, Landscape, Nightscape, Text and High-Sensitivity. This assures the best results for specific situations.

### **One-Touch Quick Review**

Just press the button and the Quick Review mode lets you instantly review the last shot without having to switch to the replay mode.



### **Power-Saving Synchro Monitor Mode**

When the shutter button is pressed, the monitor automatically turns on for shot previews and saves power by turning off after a few seconds.

### **Versatile Memory**

The Caplio 300G accepts optional Secure Digital Memory cards or MultiMediaCards. The camera also has 8MB of onboard memory to provide a backup to card use.

# Caplio 300G



## Accessories Included



- USB Cable
- Video Cable
- Software CD (Win, Mac)
- AA Alkaline Batteries (2)
- Neck strap
- Instruction manual
- Warranty card

## Optional Accessories



## Caplio 300G Major Specifications

ITEM	DESCRIPTIONS
RECORDING FORMAT	Still: JPEG (Exif 2.2) DCF (Design rule for Camera File system)*1, DPOF support Text: TIFF (MMR system, ITU-T.6) Motion: AVI (Open DML Motion JPEG)
COMPRESSION MODE	Still: JPEG base line Text: MMR system Motion: JPEG base line
VIDEO SIGNAL METHOD	NTSC/PAL switchable
RECORDING MEDIUM	Internal 8MB/SD Memory card™ (3.3V)*2/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*3/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
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 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
INTERVAL SHOOTING	30 sec. to 3 hours
PC INTERFACE	USB (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 10.1.2-10.2)
VIDEO INTERFACE	Video Out
BATTERY	AA alkaline (NiMH possible) or Rechargeable lithium-ion battery (option)
SHOOTING QUANTITY	With DB-43*4: Continuous: Approx. 3,500 shots, Normal: Approx. 350 shots With AA alkaline*5: Normal: Approx. 70-80 shots
WATER- AND DUST- RESISTANT	Water: 1m depth underwater shooting*6, equivalent to JIS Protection Class 7 Dust: JIS Protection Class 6
DIMENSIONS (W x D x H)	135 x 66 x 66mm (excluding projections)
WEIGHT	Approx. 310g (without battery, SD memory card, strap)
TEMPERATURE FOR USE	0°C - 40°C (storage temperature: -20°C-60°C)
HUMIDITY FOR USE	Under 85%

\*1 DCF is the abbreviation of "Design rule for Camera File system" which is standardized by JEITA.

\*2 Please visit our Web site for updated information on support for SD card capacity.

\*3 Sound is not recorded during motion recording.

\*4 Shooting quantity is measured according to the following conditions, and may differ with conditions of actual use.

Continuous: 640x480, flash off, without zoom, LCD monitor off.  
Normal: Approx. 30 sec. interval, flash or zoom for one of two shots.

\*5 Normal: Approx. 30 sec. interval, flash or zoom for one of two shots, LCD monitor off.

\*6 This camera can be used at 1m or less underwater depth for up to 30 minutes. Image results may vary according to the underwater conditions.

## Software CD (Windows/Macintosh)

SYSTEM REQUIREMENTS	Windows	Macintosh
OS	Windows 98/Windows 98 Second Edition Windows Me Windows 2000 Windows XP	Mac OS 8.6-9.2.2 Mac OS X 10.1.2-10.2
CPU	Pentium® II processor or faster	Power PC or later
MEMORY SPACE	Windows 98/98SE:32MB or more (96MB recommended) Windows 2000:128MB or more (256MB recommended) Windows Me:64MB or more (96MB recommended) Windows XP:128MB or more (256MB recommended)	Mac OS 8.6-9.2.2 :96MB or more (128MB recommended) Mac OS X 10.1.2-10.2:128MB or more (256MB recommended)
HARD DISK SPACE	Windows 98/98SE: 10MB or more Windows 2000: 10MB or more Windows Me: 10MB or more Windows XP: 10MB or more	Mac OS 8.6-9.2.2 :10MB or more Mac OS X 10.1.2-10.2:10MB or more
DISPLAY	Resolution: 640x480 or more, 256 colors or more (800x800 or more, 65000 colors or more recommended)	Resolution: 640x480 or more, 256 colors or more (800x800 or more, 32000 colors or more recommended)
OTHERS	USB port, keyboard, CD-ROM drive, mouse	USB port, keyboard, CD-ROM drive, mouse

## CONTENTS

	Windows XP	Windows 98/98SE/Me/2000	Mac OS 8.6-9.2.2	Mac OS X 10.1.2-10.2
RICOH Gate L	x			x
DU-10			x	x
USB driver	x			
WIA driver		x	x	x
Mounter	x	x		
Acrobat Reader			x	x

\* Images can be displayed with iPhoto on Macs with OS X 10.1.2 through OS X 10.2.

\* Movie files cannot be played back in iPhoto. Please use QuickTime instead.

\* DirectX 7.1 or later is required to play back movie files in Windows.

\* Caplio Software is for 300G and RR30.

## Recording shots in SD memory card

Mode	Image quality	Image size	8MB	32MB	64MB
Still	F	2048 x 1536	4	19	40
	F	1280 x 960	8	37	75
	N	2048 x 1536	8	37	77
	N	1280 x 960	14	67	138
Text	N	640 x 480	41	189	387
	—	1280 x 960	41	189	387
Motion	—	320 x 240	20 sec.*7	90 sec.*7	180 sec.*7
	—	160 x 120	70 sec.*7	320 sec.*7	650 sec.*7

\*7 Max. 120 sec. at one time for image size of 160 x 120 pixels,  
max. 30 sec. at one time for image size of 320 x 240 pixels.

\* This product supports PRINT Image Matching II by SEIKO EPSON Corporation.

\* The PRINT Image Matching logo shows that the product follows the color print command for digital camera "PRINT Image Matching."

\* Specifications are subject to change without notice.

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\* 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/dc](http://www.ricoh.co.jp/r_dc/dc)

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# RICOH

## RICOH COMPANY, LTD.

3-2-3, Shin-yokohama  
Kohoku-ku, Yokohama-shi 222-8530, Japan  
Phone: 045-477-1738 Fax: 045-477-1797 [http://www.ricoh.co.jp/r\\_dc](http://www.ricoh.co.jp/r_dc)

## RICOH EUROPE B.V. (PMMC EUROPE)

Oberrather Straße 6, D-40472  
Düsseldorf, Germany  
Phone: 0211-6546-0 Fax: 0211-6546-308 <http://www.ricohpmmc.com>

## RICOH UK LTD. (PMMC UK)

Ricoh House, 1 Plane Tree Crescent, Feltham,  
Middlesex, TW13 7HG, England  
Phone: 0208-261-4000 Fax: 0208-261-4220

## RICOH FRANCE S.A. (PMMC FRANCE)

383, Avenue du Général de Gaulle - BP 307-931-13  
Clamart Cédex, France  
Phone: 01-4094-3267 Fax: 01-4094-3276

## RICOH ESPANA, S.A. (PMMC SPAIN)

Av. Litoral Mar, 12-14, 08005  
Barcelona, Spain  
Phone: 093-295-7600 Fax: 093-295-7605

## RICOH EUROPE B.V. (PMMC BENELUX)

Koolhovenlaan 35, 1119 NB Schiphol-Rijk,  
The Netherlands  
Phone: 020-5474111 Fax: 020-5474540

## RICOH HONG KONG LIMITED

Personal Multimedia Products Center  
21/F., Tai Yau Building, 181 Johnston Road,  
Wan Chai, Hong Kong  
Phone: 2528-2823 Fax: 2566-3647/2866-1985

## RICOH AUSTRALIA PTY. LTD.

8 Rodborough Road, Frenchs Forrest, N.S.W. 2086  
Phone: 02-8977-1111 Fax: 02-8977-1100  
<http://www.ricoh.com.au>

## RICOH CORPORATION

5, Dedrick Place, West Caldwell, NJ  
07006 U.S.A.  
Phone: 888-742-6410 <http://www.ricohzone.com>

## RICOH ITLIA S.p.A. (EPMCC ITALY)

via Ponchielli, 3  
20063 Cernusco S/N Milan, Italy  
Phone: +39-02-92361217 Fax: +39-02-92361244