# **GX200**

# RICOH



f=24mm, 1/17sec, F9.1, ISO100, EV±0, no trimming

24-72mm/F2.5(W)-4.4(T), 1/1.7 inch type 12 Megapixels CCD





f=19mm (with use of wide conversion lens DW-6), 1/97sec, F5.7, ISO100, EV+0.3, no trimming

## Evolved 24-72mm zoom lens for controlling flare

The optical 3x super-wide zoom lens, effectively controls curvature aberration, boasts superior resolution and high contrast.

It is the "eye" of the GX200, achieving both compactness and depiction ability at a high level by employing aspheric, special low-dispersion glass and high refractive index low-dispersion lens elements.

Through fine tuning, it controls flare that can occur when shooting backlit subjects compared to GX100.

Superior optical performance is exhibited regardless of lighting conditions and focal length.



# To fully experience the beauty of photographic expression.

A super wide-angle high performance 24-72 mm/f2.5 (wide) - f4.4 (telephoto) zoom lens with superb optical performance comparing favorably to SLR interchangeable lenses.

Attach the unique tilting electronic viewfinder, linked to the focal distance to zoom and frame your subject with the feel of an SLR or medium format camera and add GX200 host of versatile accessories to enter a wider realm of creative photography.

For the photographer who knows the depth and joy of photographic expression, the GX200 transcends the limitations of a compact camera.



### Wide/telephoto conversion lens that enables a greater variety of expressions

Attach the high quality conversion lens (DW-6) to achieve 19mm ultra wide-angle for sharpness and intensity of wide-angle photography. This lets you enjoy more impressive expressions including landscapes employing a wide lens angle and portraits with heightened perspective. Furthermore, a 135mm focal length is covered at the telephoto end with the telephoto lens (TC-1) attached. Just the right amount of blur and the compression effect that reduces the sense of distance between subject and background enables eye-catching expression.

#### \* DW-6 and TC-1 are sold separately.

While a wide conversion lens or telephoto conversion lens is attached, the internal flash can't be used because vignetting may occur. Vignetting may occur on part of the image if the zoom position is other than at telephoto end when while the telephoto conversion lens is attached.



f=24mm, 1/1000sec, F3.6, ISO100, EV±0, no trimming

# Advanced digital technology changes creativity.



f=24mm, 1/500sec, F6.5, ISO400, EV±0, no trimming

# A new imaging engine with great resolution and greatly reduced noise

Sharp images all the way to the picture's edge with natural gradations and coloration even in high-sensitivity shooting situations: that is the power of the SIE III image processor. With thorough noise reduction measures in both its circuit design and algorithms, the GX200 effectively eliminates noise without sacrificing resolution or saturation.

# Effective 12 megapixel CCD boasting high resolution and a high S/N ratio

A 1/1.7" CCD with 12 megapixels faithfully reproduces the world as seen. The result is superb images high in resolution and low in noise, with rich gradation expression from highlight to shadow.

# Noise reduction ON or OFF depending on sensitivity

It is possible to set the noise reduction function ON/OFF according to the shooting environment. Since the noise reduction can be set to turn on at a specific ISO sensitivity level—such as OFF for low sensitivity and ON for ISO401 and above—noise reduction can be fine tuned to the photographer's style.



f=24mm, 1/13sec, F5.7, ISO400, EV±0, no trimming, noise reduction ON

# Distortion compensation function supporting full use of wide-angle lenses

The GX200's high-performance optics compensate for distortion well. But a distortion compensation function is also provided if image distortion is still a problem. That way you can more easily enjoy the attraction of wide-angle lens. The function can be turned on or off at will. And it also exhibits its abilities when a wide conversion lens is attached. \* Lens anole changes when distortion compensation is on.

# Electronic level enables fast and precise camera levelling

Keeping the camera level with respect to the subject is a basic requirement for making full use of a wide-angle lens. That's why the GX200 has an internal electronic leveller which lets you view the horizontal or vertical indicator while watching the LCD display. The photographer can quickly ensure that shots are aligned horizontally and vertically. The level indicator can also be viewed with the electronic viewfinder (in both normal and tilted positions). This makes it possible to concentrate on shooting without taking your eye off the subject.



With leveling

# Automatic brightness level compensation function a strong tool for high contrast scenes

Even in scenes with backlighting and extreme contrast, by automatically controlling brightness distribution, the GX200 limits whiteout while reducing loss of detail in dark areas. This makes it possible to create natural-looking images closer to what the eye sees. With rich gradations in areas of both high and low brightness, this function meets the expectations of the photographer's aesthetic vision. Compensation can also be done in playback mode.

•Automatic brightness level compensation function





Automatic level compensation function: ON

Automatic level compensation function: OFF

# White balance compensation for "just right" color

White balance is a major factor in determining coloring and the impression that a photograph makes. The GX200 allows for fine tuning of the white balance compensation when taking pictures while viewing the LCD display or electronic viewfinder. Compensation can be done on the blue/amber or magenta/green scales according to the light source. Compensation can also be done in playback mode.



Black & White (TE) settings for richly flavoured monochrome works Using the B&W (TE: Toning Effect) settings, fascinating duotone-style monochrome works are possible. Color choices for toning effects are red, blue, green, sepia, or purple; and color depth, contrast, and sharpness can also be adjusted.

### •Black & White (TE) settings



MONOCHROME

RED



### PURPLE

# Color bracketing simultaneously shoots multiple images for

# varied impressions

With one shutter push, three images-color, B&W, and B&W (TE)-are recorded. Works with a diverse feel can be easily created without post-shooting image processing.

## Other main functions

• The camera shake correction function (CCD-shift type) expands possibilities for hand-held shooting.

• Great for photos to go in blogs, the 1:1 aspect ratio mode lets you enjoy your own unique picture composition (shooting in RAW possible).

We have come this close to achieving a camera that accurately expresses the intention of the photographer.



f=72mm, 1/80sec, F4.4, ISO100, EV±0, no trimming

### AE/AF target shift that allows for creative flexibility

The AE/AF target can be shifted in both macro and normal shooting. Focusing and exposure setting can be done independently by shifting either the AE or AF target to the position anywhere on the screen you want it. And spot AE at the focused position is also possible by shifting the AE and AF targets simultaneously. This function comes in handy when the camera is fixed to a tripod.

### Continuous shooting functions for fast reaction

With its new high-volume buffer memory, the GX200 can do exposure auto bracketing and continuous shooting of up to five images, even in high-image-quality RAW, giving shooting abilities approaching SLR levels.

# Subtle light effects with light intensity adjustment and manual flash functions

Light intensity of the built-in flash can be adjusted across a wide range (-2 to +2 EV). This is helpful for controlling subject-background balance in both macro and normal shooting situations. Moreover, manual flash where light intensity is freely set (in 1/2 EV increments) is also possible. And you can enjoy a range of creative flash photography such as rear curtain and front curtain synchronization, which are useful for creating a trail of light in the image.



f=24mm, 1/64sec, F2.5, ISO100, EV±0, no trimming

# Aperture auto shift to secure appropriate exposure automatically

If there is overexposure at the set aperture value when in aperture priority mode, the aperture value can be automatically adjusted. You can just leave it to the camera in times such as when the subject moves between shadow and sunlight or the weather changes suddenly.

# Up to three "My Setting" mode options can be defined

With "My Setting" mode, frequently used shooting settings can be preset and switched to in an instant. With the GX200, the number of options has been expanded to three. It is also possible to change the shooting mode from the shooting menu, so there is no need to go to the trouble of revising custom settings each time.



## Function button for one-push switching between functions

Two Fn (function) buttons enable direct changes reflecting the photographer's preferences. One-push mode change functions are assigned to each button. For instantaneous switching, pre-select and register frequently used functions such as picture quality mode and AF mode. Don't let sudden photo chances get away.

## [Fn button settings possible]

AF⇔MF (combined with AF lock) / Snap⇔AF/AE Lock / JPEG⇒RAW / Color⇒B&W (TE) / target shift / Various photography settings menu (exposure compensation, white balance, WB compensation, ISO, picture quality, focus, picture settings, metering, continuous shooting, auto bracketing, light intensity adjustment, manual flash)

Large, vivid high-resolution 2.7-inch 460,000 dots HVGA LCD display The new high-resolution LCD display vividly presents image detail. The wide field of view (160 degrees both vertically and horizontally) gives the feel of "free angle" shooting, and the high contrast gives great visibility even outdoors. The 1/20-size image display function looks great on the high-definition screen and is convenient for quickly finding one image among many.

# Full line of accessories to expand the world of expression

Compatibility has been maintained with GX100 accessories. You can use accessories such as the removable tilting LCD viewfinder with 100% field of view. Expandability is further heightened with the addition of a newly developed telephoto conversion lens and automatic hinged lens cap. The GX200 is a compact camera functionally complete in itself. But used with accessories, it becomes a system camera that expands the range of expression. Merging those strengths creates an ingenious camera system.



## Other main functions

- Macro mode for close-up photography up to 1 cm at the wide end and 4 cm at the telephoto end.
- Three types of light metering (multi, center weighted, and spot) help create expressive shadows
- Extensive scene modes (movie, portrait, sports, landscape, nightscape, text, skew correction, and zoom macro)
- Exposure modes to stimulate creativity (program shift, aperture priority, and manual exposure)
- Select playback screen that allows you to choose whether the electronic viewfinder or LCD display has priority in playback mode.
- An auto rotate function for easier image viewing
- An ADJ lever used to seamlessly call up, make, and confirm function settings
- A special rechargeable battery can take up to about 350 pictures (based on CIPA standards)
- AAA batteries and an AC adaptor (option) can also be used









GX200

① USB cable 2 AV cable

5 Hand strap 6 Lens cap



③ Rechargeable battery ④ Battery charger

⑦ GX200 software CD-ROM User's manual



#### **GX200 Optional Accessories**

•	
Product Name	Model Name
Rechargeable batteries	DB-60
Battery charger	BJ-6
AC adapter	AC-4c
LCD viewfinder *1	VF-1
Wide conversion lens *2	DW-6
Tele conversion lens *2	TC-1
Hood and adapter	HA-2
Soft case	SC-45
Neck strap *3	ST-2
Cable switch	CA-1
Self retaining lens cap	LC-1

\*1 The VF-1 LCD view finder is included in "GX200 VF KIT".
\*2 The HA-2 hood and adapter is required when using the wide conversion lens or the tele conversion lens. When the wide conversion lens or the tele conversion lens is attached, the internal flash cannot be used because

vignetting may occur. \*3 The ST-1 neck strap for the GX/GX8 cannot be used.

# 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.com/r\_dc

### RICOH INTERNATIONAL B.V.

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:0208-261-4288

#### **GX200 Major Specifications**

Item Number of Effective Pixels (Camera)		Specifications				
		Approximately 12.1 million pixels				
Image Sensor		1/1.7" primary-color CCD (total pixels: approx. 12.4 million)				
	Focal Length	[=5:1 to 15:3mm (35mm film equivalent focal length 24 to 72mm. With Step Zoom set, the following fixed focal lengths possible: 24mm, 28mm, 35mm, 50mm, 72mm)				
ens	F-aperture	F2.5 (wide) to F4.4 (telephoto)				
Let is	Shooting	Macro shooting: Approx. 1.0cm to infinity (wide-angle), approx. 4.0cm to infinity (telephoto), approx. 1.0cm to				
	Distance	infinity (zoom macro) (from the front of the lens)				
	Lens Construction	11 elements in 7 groups				
Zoom Magnification		Oplical zoom: 4.0 times, up to 12 times (ziekent focal length 24 to 72mm) Digital zoom: 4.0 times, up to 12 times (268mm equivalent) in combination with optical zoom Auto resize zoom: 6.3 times, up to 18.9 times (450mm equivalent) in combination with optical zoom (VGA image				
Focus Mode		Multi AF (CCD method)/Spot AF (CCD method)/Manual Focus/Snap/Infinity (with focus lock and AF aux. light)				
Viotion Blur Reduction		CCD shift method image stabilizer				
No Max Dagaset	Still Image	180, 120, 60, 30, 15, 8, 4, 2, 1~1/2000 seconds				
Shutter Speed*1	Movie	1/30 to 1/2000 seconds				
Exposure Adjustmen	Exposure Metering Mode	Multi Light Metering (256 segments)/Center-weighted Light Metering/Spot Metering (TTL-CCD metering, AE lock available)				
	Exposure Mode	Program AE/Aperture Priority AE/Manual Exposure				
	Exposure Compensation	Manual Exposure Compensation (+20 to -2.0 EV in 1/3 EV steps), Auto Bracket Function (-0.5 EV, ±0, +0.5 EV /-0.3 EV, ±0, +0.3 EV)				
ISO Sensitivity (Standard Out		AUTO/AUTO-HVISO64/100/200/400/800/1600				
White Balance Mode		Auto/Outdoors/Cloudy/Incandescent Lamp/Fluorescent Lamp/Manual Settings/Detail, White balance bracket function				
Pash	Built-in Flash Mode	Auto (during low light and when subject is backlit)/Red-eye Flash/Flash On/Flash Synchro/Manual Flash (Full, 1/1.4, 1/2, 1/2.8, 1/4, 1/5.6, 1/8, 1/11, 1/16, 1/22, 1/32)/Flash Off				
	Built-in Flash Range	Approx. 20cm to 5.0m (wide-angle), approx. 15cm to 3.0m (telephoto) (ISO AUTO/ISO 400, from the front of the ler				
	Flash Compensation	±20 EV (1/3 EV steps)				
Picture Display		2.7" Transparent Amorphous Silicon TFT LCD, approx. 460,000 dots				
Shooting Mode		Auto Shooting Mode/Program Shift Mode/Aperture Priority Mode/Marual Exposure Mode/Scene Mode (Movie/Portrait/Sports/Landscape/ Nichtscape/Zoom Macro/Skew Correct Mode/Text Mode/My Settings Mc				
Picture Quality Mode*2		F (Fine)/N (Normal/RAW (DNG file format)'3				
Number of Recorded Pixels	Still Image	[4:3]4000x-3000, 3264x/2448, 2592x1944, 2048x1536, 1280x960, 640x480 [32] 3984x2656 [11] 2992x2992				
	Movie	640×480.320×240				
	Text	4000×3000, 2048×1536				
Recording Media	TGAL	SD memory card, SDHC memory card (up to 16 GB), Internal Memory (approx. 54 MB)				
Storage Capacity/ Time*4 internal memory 54 MB)	Still Image	4000-0000 RAW: 2 potures, F- 11 potures, N-20 piotures, 3894-3506 RAW: 2 potures, F- 13 potures, N-22 piotures, 3826-3822 RAW: 3 potures, F-15 potures, N-27 piotures, 3284-3448 N-30 potures, 3253-3494 N-44 potures, 3284-3448 N-30 potures, 3253-0494 N-44 potures, 3284-3368 R-14 potures, 3253-0494 N-30 potures, 420-4480 N-497 piotures 3284-3368 R-14 potures, 3253-0494 N-30 potures, 420-4480 N-497 piotures				
	Movie*5	640x480 (30 frames/sec, 24 i sec., 640x480 (15 frames/sec.); 1 min. 22 sec., 320x240 (30 frames/sec.); 1 min. 22 sec., 320x240 (15 frames/sec.); 2 min. 40sec.				
Recording File Format	Still Image	JPEG (Exif ver2.21)*6, RAW(DNG)				
	Movie	AVI (Open DML Motion JPEG format compliant)				
Other Major Shooting Functions		Cont/S-Cont/M-Cont, Self-timer (operation time: approx. 10 sec./2 sec.), Interval Shooting (shooting interval: 5 sec. to 3 hr., in increments of 5 sec.)?, Color Bracket, B&W (TE), Noise Reduction, Histogram, Grid Guide, Bectronic Level, Hot Shoe				
Other Major Playback Function	ons	Auto Rotate, Grid View, Enlarged View (maximum 16 times), Resize				
nterface		USB2.0 (High-Speed USB) Mini-B, Mass Storage*8, Audio Output 1.0Vp-p (750)/Video OUT				
Power Source		Rechargeable Battery (DB60)×1, AAA Dry Alkalne Battery×2, AAA Nickel-Metal Hydride Battery×2, AC Adapter (AC-4c Optional) 3.8V				
Battery Consumption*9		Based on CIPA Standard DB60 usage: approx. 350 pictures, AAA alkaline battery usage: approx. 30 pictures*				
Dimensions		111.6mm(W)x58.0mm(H)x25.0mm(D) excluding projecting parts				
Weight		Approx. 208g (excluding battery, SD memory card, and strap) Accessories: approx. 30g (battery and strap)				
Operating Temperature		0°C to 40°C				
<ol> <li>The picture quality m</li> <li>A JPEG file in Norma format is a RAW images</li> <li>The estimated numb</li> </ol>	ode that can be se 1 640 or in Fine/Nor ge file format and is er of pictures that o	x vary depending on the elevoling mode and fash mode. t varies depending on the image variation mail model with the same size as the RAW file is recorded at the same time. The DNG file the starkard format of Adobe Systems. an be recorded or the estimated recording time. recorded at one time is either 90 minutes or 4 GB.				

The maximum movie length that can be recorded at one time is either 90 minutes of 4 GB.
 Compatible with DCF and DPCF. DCF is the abbreviation for "Design rule for Camera File system," a JETA standard.
 Ful compatibility with other devices is not guaranteed.)
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Clamart Cédex, France

Barcelona, Spain

via Ponchielli, 3

Av. Litoral Mar, 12-14, 08005

Phone:01-4094-3267 Fax:01-4094-3276

Phone: 093-295-7600 Fax: 093-295-7605

Phone: +39-02-92361217 Fax: +39-02-92361244

RICOH ESPANA, S.A. (PMMC SPAIN)

RICOH ITALIA S.p.A. (PMMC ITALY)

20063 Cernusco S/N Milano, Italy

What the test is set to prear Unit.
 What May and the test is set to prear Unit.
 What May are appreciated by Windows Me, 2000, XP, Vista, Mac OS30-92-2, and Mac OSX10.12-10.5.2.
 The number of remaining shots is based on the OPA standard and may vary depending on usage conditions. This is for reference only.
 Unit Using Parasonic AAA addient batterists.

#### RICOH FRANCE S.A.S. (PMMC FRANCE) 383, Avenue du Général de Gaulle - BP 307-931-13

21/F, One Kowloon, 1 Wang Yuen Street, Kowloon Bay, Hong Kong Phone:2862-2888 Fax:2566-3647/2866-1120

### LCD viewfinder Major Specifications

Item	Description	
External dimensions 19.6mm x 37mm x 39.4 mm (W x H x D), not including protruding areas.		
Weight	Approx. 22 grams	
Image display area	Ferro-electric polarization-type liquid crystal Equivalent to approx. 201,000 dots	
Lens	4 elements in 3 groups	
Picture coverage	100%	
Parallax compensation	-5 ~ +3 Dpt	

#### GX200 Software

	Windows Vista	Windows XP	Windows 2000/Me		
1. RICOH Gate La	0	0	0		
2. Irodio Photo & Video Studio	0	0	0		
3. Acrobat Reader	×	0	0		
<ol> <li>DeskTopBinder Lite</li> </ol>	0	0	0		

\* Image editing software for Macintosh not included. \* When the version of Acrobat Reader included on the CD-ROM is used with Windows Vista, a warning may display. If this occurs, please download the latest version of Acrobat Reader from the Adobe Systems website.

### GX200 System requirement

	Windows
Operating system	Windows 2000 Professional Service Pack4 Windows Me Widows XP Home Edition Service Pack2 / Professional Service Pack2 Windows Vista
CPU	Windows 2000/Me/XP :Pentium <sup>®</sup> III500MHz or faster Windows Vista :Pentium <sup>®</sup> III:1GHz or faster
Memory Space	Windows 2000/Me/XP:256MB or more Windows Vista:512MB or more
Hard drive space (required for installation)	160MB or more
Display Resolution	1024 × 768 pixels or greater
Display Colors	65.000 colors or greater
CD-ROM drive	A CD-ROM drive compatible with the above mentioned computer.
USB port	A USB port compatible with the above mentioned computer.
	available when connecting GX200 to a PC. Serial connection is unavailable

\* GX200 is possible to use for Mac OS 9.0 to 9.22 and Mac OS X 10.1.2 to 10.5.2 by Mass Storage Connection.

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

Mode	Picture mode / Recording pixels	Built-in memory	512MB	1GB	2GB	4GB	8GB	16GB
	RAW (12M)	2	22	43	88	172	353	721
	F4000 (12M)	11	107	207	421	826	1689	3448
	N4000 (12M)	20	187	359	731	1436	2936	5992
	RAW3:2 (10M)	2	25	49	99	195	400	817
	F3:2 (10M)	13	121	234	476	935	1912	3902
Still	N3:2 (10M)	23	210	405	819	1609	3289	6712
	RAW1:1 (10M)	3	30	57	117	231	472	964
	F1:1 (9M)	15	143	276	558	1097	2242	4576
	N1:1 (9M)	27	249	479	975	1915	3915	7990
	N3264 (8M)	30	278	534	1078	2117	4327	8831
	N2592 (5M)	48	436	839	1707	3352	6852	13983
	N2048 (3M)	74	682	1313	2671	5247	10724	21885
	N1280 (1M)	133	1208	2323	4726	9282	18973	38718
	N640 (VGA)	497	4488	8632	15359	30159	61643	125793
Text	4000×3000	20	187	359	731	1436	2936	5992
	2048×1536	74	682	1313	2671	5247	10724	21885
Movie	640×480 (15frames/sec.)	1'22"	12'19"	24'2"	48'13"	94'40"	193'30"	394'53"
	640×480 (30frames/sec.)	41"	6'14"	11'59"	24'23"	47'54"	97'55"	199'49"
	320×240 (15frames/sec.)	2'40"	24'5"	46'19"	94'11"	184'57"	378'2"	771'25"
	320×240 (30frames/sec.)	1'22"	12'19"	24'2"	48'13"	94'40"	193'30"	394'53"

\* Number of recordable pictures and recordable time may vary depending on the manufacturer of an SD memory card and shooting conditions. \* Average number of images and time.

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