

# RICOH

# G700

The water, dust, and shock resistant digital camera

**For Law Enforcement**



**Water, dust,  
and shock  
resistance**

**SD WORM**  
**Camera  
lock**

5x optical zoom  
**28mm**  
**140mm**  
**22mm (option)**

## The future of evidence photography is also digital.

### SD WORM memory card supported

The G700 supports the SanDisk® SD™ WORM (write once read many) card. Since deletes, changes, and card initialization cannot be done, these cards can be used in place of film for original documents when recording scenes where data reliability might be questioned. When stored under suitable conditions, the data can be preserved for about 100 years.



\*SanDisk is a trademark of SanDisk Corporation, registered in the U.S. and other countries. SD is a trademark of SD-3C, LLC.

### Camera lock functions for a variety of operation controls

By defining a password, you can lock the camera. Equipped with a lock function that prevents recording by anything other than the camera unit or SD WORM card. The locks and restrictions can be removed through password entry with a software keyboard or bar code.

### Built-in flash reaches up to 10 m

For reliable photography even in dark sites such as tunnel interiors, the G700 has a built-in flash with a range of 10 m for wide-angle and 6.2 m for telephoto. With high-sensitivity ISO 3200, the G700 can also shoot in situations where flash cannot be used.

### The toughness critical for difficult work sites

In addition to shock resistance tough enough to resist a 2.0m drop and dust resistance that guards against infiltration by dust and sand, the G700 can also be chemically disinfected.

### Folder Function

#### Function for creating 3 types of folder

You can create folders without using a software keyboard. In addition to the standard mode, there is date mode that adds the created date, and user mode that enables you to set 5 characters as desired.

#### Folder information display at startup

When the camera is switched on and set to photography mode, you can display the current folder name and number of pictures in the folder.

### AAA Alkaline batteries can also be used

In addition to the high-capacity rechargeable battery included, the G700 can also be powered with readily available AAA-size alkaline batteries. With these batteries, approximately 40 shots\* can be taken. So you can quickly recover from the battery depletion that can occur in periods of long use.




\*Shooting capacity was measured using CIPA-standard parameters. This is only an estimate and performance may vary depending on usage conditions.

### Ringlight Support

You can use commercially available ringlights. Ringlights are convenient for preventing shadows from occurring in close-up photography.

\*Camera unit filter diameter is 37mm.  
\*A step up ring may be required to attach the ringlight.  
\*If vignetting occurs, use on the zoom side.  
\*When a ringlight is attached, switch the flash off.





# G700

< Accessories included >

- ① AV Cable
- ② USB Cable (Mini B Cable)
- ③ CD-ROM
- ④ Rechargeable Battery
- ⑤ Battery Charger
- ⑥ Neck Strap
- Instruction Manual (Camera User Guide)\*Warranty Card
- \*Software manual supplied on CD-ROM

< Optional Accessories >

- ① Soft Case(SC-700)
- ② Wide Conversion Lens(DW-5)

### ■ G700 Major Specifications

Item	Specifications	
No. of effective pixels (camera)	Approx. 12.10 million effective pixels	
Image Sensor	1/2.3" CCD (Approx. 12.40 total million pixels)	
Lens	Focal Length	5.0 mm to 25 mm (equivalent to 28 mm to 140 mm on a 35-mm camera)
	F-aperture	F3.5 to F5.5
	Shooting Distance	Normal shooting: Approx. 30 cm to ∞ (Wide-angle) or 50 cm to ∞ (Telephoto) (from the front of the lens)
	Macro shooting Distance	Macro shooting: Approx. 1 cm to ∞ (Wide-angle)*1, 15 cm to ∞ (Telephoto) or 1 cm to ∞ (Zoom macro mode) (from the front of the lens)
	Lens Construction	11 elements in 9 groups plus 1 prism
	Filter size	37mm
Zoom Magnification	Optical zoom at 5.0x (focal length equivalent to 28 mm to 140 mm on a 35 mm camera)	
	Digital zoom at 4.0x, up to 20.0x (560 mm equivalent) in combination with optical zoom	
Focus Modes	Multi AF (CCD method)/Spot AF (CCD method)/MF/Snap <sup>∞</sup> (with AF Auxiliary Light)	
Blur Reduction	Digital image stabilizer	
Shutter	Still Image	8, 4, 2, 1 to 1/1500 seconds
	Movie	1/30 to 1/10000 seconds
Exposure	Exposure Metering Mode	Multi Light Metering (256 segments)/Center-weighted Light Metering/Spot Metering (TTL-CCD Metering and AE lock possible)
	Exposure Mode	Program AE
Control	Exposure Compensation	Manual exposure compensation (+2.0 to -2.0 EV in 1/3 EV Steps), Auto bracket function (-0.5 EV, ±0, +0.5 EV)
ISO Sensitivity (Standard Output Sensitivity)	AUTO, ISO64 / ISO100 / ISO200 / ISO400 / ISO800 / ISO1600 / ISO3200	
White Balance Mode	Auto/Outdoors/Cloudy/Incandescent 1/Incandescent 2/Fluorescent/Manual/Ring Light, White balance bracket function	
Flash	Flash Mode	Auto flash (fires automatically in low-light conditions and when the subject is backlit)/Anti Red-eye/Flash On/FLASH ON (10M)/Flash Synchro./Flash Off
	Built-in flash Range	Approx. 20 cm to 10.0 m (Wide-angle), approx. 40 cm to 6.2 m (Telephoto) (ISO AUTO/ISO 1600, from the front of the lens)
Picture Display	3.0" Transmissive LCD, approx. 920,000 dots	
Shooting Mode	Auto shooting mode/Scene mode (High Sens./Firelighting/Skew Correct Mode/Text Mode/Zoom Macro/Movie)/My settings mode/CALS mode	
Picture Quality Mode*4	F (Fine), N (Normal)	
Number of Recorded	Still Image	[4 : 3] 4000 × 3000, 2592 × 1944, 2048 × 1536, 1600 × 1200, 1280 × 960, 640 × 480
	Movie	[3 : 2] 3984 × 2656
Pixels	Movie	1280 × 720, 640 × 480, 320 × 240
	Text	4000 × 3000, 2048 × 1536
Recording Media	SD memory card (3.3V 256MB, 512MB, 1GB, 2GB), SDHC memory card (up to 32 GB), SD WORM card*5 (128MB, 1GB), Internal Memory (approx. 103 MB)	
Picture/Time Storage Capacity*6 (Internal approx. 103MB)	Still image	4000 × 3000 F: 22 pictures; N: 38 pictures, 3984 × 2656 F: 25, 2592 × 1944 F: 45, 2048 × 1536 N: 72, 1600 × 1200 F: 116, 1280 × 960 F: 141 N: 265, 640 × 480 F: 509
	Movie*7	1280 × 720 20 seconds, 640 × 480 58 seconds, 320 × 240 2 minutes 22 seconds
Recording File	Still Image	JPEG (Exif Ver. 2.21)**8
Format	Text	JPEG (Exif Ver. 2.21)**8
Bar Codes Supported	Movie	AVI (Open DML Motion JPEG Format Compliant)
Supported	Linear	EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-ons), Interleaved 2 of 5, CODEBAR (NW-7), CODE 39, CODE 93, CODE 128 TYPE C, GS1-128 (EAN-128), and RSS (GS1 DataBar)
	Matrix	QR Code, Micro QR Code, DataMatrix(ECC200), PDF417, Micro PDF417, MaxiCode, EAN-UCC Composite(GS1 DataBar Composite)
Other Major Shooting Functions	Continuous mode, Self-timer (operation time: approx. 10 seconds, approx. 2 seconds), Interval shooting (shooting interval: 5 seconds to 3 hours, in increments of 5 seconds)**9, Histogram display, Grid guide display	
Other Major Playback Functions	Thumbnail view, Enlarged view (maximum 16x), Resize, Contrast Correction	
Interface	USB2.0 (High-Speed USB) Mini-B, AV output, Mass storage-compatible*10	
Power Supply	Rechargeable Battery (DB-65) x1, AC adapter (AC-5c option), AAA Alkaline Battery x 2, AAA Nickel-Hydrogen Battery x 2	
Battery life*11	Based on CIPA standard, DB-65: approx. 360 shots AAA alkaline: 40 shots*12	
Dimensions (W × H × D)	118.8 mm × 71.0 mm × 41.0 mm, 32.0 mm (D) at thinnest, excluding projections	
Weight	Approx. 280 g (excluding battery, SD memory card, and strap), Approx. 310 g (including memory card and supplied battery)	
Water Resistance/Dust Resistance/Chemical Resistance	JIS/IEC waterproof grade 8, shooting to a water depth of approx. 5 m*13 JIS/IEC dustproof grade 6 External cleaning possible with ethanol and hypochlorous acid disinfectants	
Operating Temperature	-10 °C to 40 °C	

※ 1: The macro shooting wide-angle setting is f+5.9mm at a 33 mm focal length (35 mm equivalent).  
 ※ 2: Image size is VGA.  
 ※ 3: The upper and lower limits differ for each shooting mode and flash mode.  
 ※ 4: The picture quality mode that can be set varies depending on the image size.  
 ※ 5: SD WORM cards can be purchased from SanDisk Corporation agents that supply corporate customers.  
 ※ 6: The estimated number of pictures that can be recorded or the estimated recording time.  
 ※ 7: The maximum movie length that can be recorded at one time is either 90 minutes or 4 GB. When shooting movies of 1280 × 720 size, the use of an SD/SDHC memory card with an SD speed class of Class 6 or higher is recommended.  
 ※ 8: Compatible with DCF and DPOF. DCF is the abbreviation for "Design rule for Camera File system," a JEITA standard (Full compatibility with other devices is not guaranteed).  
 ※ 9: When the flash is set to [Flash Off].  
 ※ 10: Mass storage mode is supported by Windows 2000, Windows XP, Windows Vista, Windows 7, Mac OS 9.0-9.2.2, and Mac OS X 10.1.2-10.6.3.  
 ※ 11: The number of remaining shots is based on the CIPA standard and may vary depending on usage conditions. This is for reference only.  
 ※ 12: When using the AAA Alkaline batteries manufactured by Panasonic.  
 ※ 13: At a water depth of up to 5 m, a maximum of approximately two hours of shooting is possible. Optimal shooting may not be possible depending on the water environment.

### ■ G700 Optional Accessories

Product Name	Model Name
Wide Conversion Lens	DW-5
Rechargeable Battery	DB-65
Battery Charger	BJ-6
Soft Case	SC-700

### ■ G700 Software

	Windows® 7	Windows Vista®	Windows® XP	Windows® 2000
1. DL-10	○	○	○	○
2. MediaBrowser	○	○	○	×
3. Adobe Reader®	○	○	○	○
4. ListEditor	○	○	○	○
5. ME1	○	○	○	○
6. EC1	○	○	○	○
7. EX1	○	○	○	○

### ■ G700 System Requirements

	Windows®
Operating Systems Supported	Windows® 2000 Professional Service Pack 4, Windows® XP Home Edition Service Pack 3/Professional Service Pack 3, Windows Vista® Service Pack 2, Windows® 7 (32- and 64-bit)
CPU	Pentium® IV: 1.6 GHz or faster, Pentium® M: 1.4 GHz or faster, Core™ 2 Duo: 1.5 GHz or faster
Memory	Windows® 2000/Windows® XP: 512 MB or more, Windows Vista®/Windows® 7: 1 GB or more
Hard drive space required for installation	300 MB 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

\*The CD-ROM supports Japanese, English, French and German. Operations are not guaranteed on operating systems with other languages.  
 \*64-bit Windows Vista is not supported.  
 \*If your computer has an upgraded OS, the USB function may not work normally, so it cannot be supported.  
 \*The provided software may not operate properly if changes are made to the operating system, such as with patches and service package releases.  
 \*The camera does not support connection to a USB port added by using an extension function (PCI bus or other).  
 \*If used in conjunction with a hub or other USB devices, the software may not work properly.  
 \*When dealing with movies and other large files, a larger memory environment is recommended.  
 \*MediaBrowser is not supported under Windows 2000.

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

Mode	Image Size	Internal Memory (103MB)	1GB	2GB	4GB	8GB	16GB	32GB
Still	4000×3000 (F)	22	210	404	810	1,630	3,283	6,534
	4000×3000 (N)	38	365	701	1,403	2,824	5,688	11,320
	3984×2656 (F)	25	238	457	914	1,840	3,706	7,375
	2592×1944 (F)	45	433	826	1,653	3,327	6,701	13,336
	2048×1536 (F)	72	683	1,311	2,623	5,281	10,635	21,164
	1600×1200 (F)	116	1,102	2,090	4,162	8,377	16,869	33,571
Movie	1280×960 (F)	141	1,337	2,514	5,029	10,122	20,383	40,565
	1280×960 (N)	265	2,514	4,641	9,284	18,687	37,631	74,890
	640×480 (F)	509	4,834	8,620	17,243	34,705	69,837	152,941
	1280×720 30fps	20*	183*	373*	734*	1,494*	3,006*	6,031*
	640×480 30fps	58*	534*	1,087*	2,135*	4,344*	8,742*	17,536*
	320×240 30fps	142*	1,294*	2,633*	5,170*	10,522*	21,170*	42,467*

\*The figures for storage capacity assume that no camera memo lists, voice memos, or other camera system files are stored in the internal memory or on an SD memory card.  
 \*The maximum recording time is the estimated total recording time.



For more information, visit:  
<http://www.ricohdc.com/>

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